



**1997 Second Quarter RFCA
Groundwater Monitoring Report
for
Rocky Flats Environmental
Technology Site**

November 1997



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**1997 Second Quarter RFCA
Groundwater Monitoring Report
For Rocky Flats Environmental Technology Site**

Rocky Mountain Remediation Services, L.L.C

November 1997

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EXECUTIVE SUMMARY

There were 8 reportable exceedances of the Integrated Monitoring Plan (IMP) criteria for groundwater in the second quarter sampling results for 1997 (Table 4-2).

Results for organic compounds exceeding Tier II action levels confirm previously reported exceedances for plume extent well 03991. Metals data for plume extent wells P313589, 10994, and P114389 contain reportable exceedances for nickel, selenium, and manganese, respectively. None of these metals exceeded historic concentrations (mean plus two standard deviations) for these wells. Nickel was present at a concentration above the Tier II action level and historic mean for drainage well 6586. This exceedance is consistent with the elevated nickel value collected in the fourth quarter, 1996. Evaluation of this anomaly will be done pending the recalculation of background values for metals which is currently in progress.

Performance monitoring well 10992 had a selenium concentration above Tier II action levels and the site background mean. However, there were insufficient historic data to perform trend analysis or calculate a historic mean. Selenium concentrations will continue to be monitored in order to establish a historic baseline for this well. No further action is expected until site background concentrations for metals are established.

Plume definition well P219189 had a tritium concentration above the Tier II action level but well below the Tier I action level. The reported concentration was well below the historic mean for this well. Plume definition wells are located within areas of known contaminant plumes and an exceedance occurs when concentrations exceed Tier I levels. Therefore, there is no reportable exceedance for this well.

One performance monitoring well, 10992, and two plume extent wells, P218389, and P219489, had nitrate/nitrite concentrations exceeding Tier II action levels and background mean data for the site. Concentrations for all three wells were below the historic mean data for these wells. This is not a reportable exceedance for performance monitoring well 10992.

1.0 INTRODUCTION

This report is required by Section 3.4.B of Attachment 5 of the Rocky Flats Cleanup Agreement (RFCA) (EPA, CDPHE, and DOE 1996) and described in the draft Integrated Monitoring Plan (DOE 1996). The quarterly RFCA report replaces and incorporates information previously provided in the quarterly Resource Conservation and Recovery Act (RCRA) report.

The DOE/K-H/RMRS team has completed evaluation of second quarter 1997 groundwater analytical data, using RFCA groundwater action level criteria as described in the latest draft version of the Integrated Monitoring Plan (IMP)(DOE 1996). The sampling for the second quarter of 1997 reflects the approval of the new monitoring well list (CDPHE Nov. 1996 and EPA Nov. 1996) and the establishment of semi-annual sampling frequencies. Therefore, only a portion of the RFCA monitoring wells are sampled and reported each quarter. The remainder will be sampled in the following quarter as site conditions allow. Only RFCA groundwater monitoring locations are included in this report. RFCA groundwater locations sampled during the second quarter, 1997 are listed in Table 4-1. The locations of the monitoring wells are shown in Figure 1.

2.0 METHODS

Data used for this report were provided in raw laboratory Electronic Data Deliverable (EDD) format by Analytical Services (APO). Data were not entered into the site database or otherwise manipulated in any way prior to being received. Individual text files containing original laboratory data for one lab batch each were uploaded into an ACCESS database and merged together by analyte group. Some files required minor text manipulation using a text editor prior to being uploaded. Laboratory reporting generally conformed to GR02 specifications (Statement of Work for Analytical Services - Electronic Data Deliverables) and the content of reported fields was readily apparent. Data were graphically examined for consistency. Duplications and mismatches were excluded. Field and laboratory QC data were identified for use in the data quality assessment. (Sec. 2.2)

Detections (results without a "U" qualifier) for analytes with Tier I and Tier II Action Levels and Standards Framework (ALF) criteria were matched with the background mean plus two standard deviations (M2SD) for inorganics, including radionuclides. Three ratios used to identify exceedances for inorganics and radionuclides were calculated for each detection; result:Tier I ALF, result:Tier II ALF, and for inorganics, result:background M2SD. Results for organic compounds exceeding Tier I or Tier II ALF were compared with location specific historic mean date (M2SD) for trend analysis.

Background values were from the Background Geochemical Characterization Report (DOE 1993) with the exception of americium-241, plutonium-239/240, uranium-233/234, uranium-235, and uranium-238. Background values for these radionuclides were taken from the draft Background Comparison for Radionuclides in Groundwater Report (DOE 1997). Data were extracted directly from RFEDS to calculate the historical M2SD for locations with analytes exceeding Tier II ALF criteria and to produce trend plots.

The groundwater monitoring network, as defined in the draft IMP (DOE 1996), has seven categories of monitoring wells. The decision rule sequence presented in the draft IMP was followed for determining Tier I and II exceedances. The well types and decision rules are defined below:

Plume Definition (PD) Monitoring Wells: These wells are located within known contaminant plumes and are above Tier II action levels, but are below the Tier I action levels established in the ALF. A reportable exceedance occurs when a measured concentration exceeds a Tier I action level, **and** the background M2SD, **and** the M2SD of the historical concentration in the well. The required action is to reclassify as a Tier I exceedance well and evaluate possible impacts to groundwater.

Plume Extent (PE) Monitoring Wells: These wells are located at the edges of known groundwater contaminant plumes, along pathways to surface water. These wells monitor for an increase in concentrations that may result in future impacts to surface water. A reportable exceedance occurs if a measured concentration exceeds a Tier II action level **and** the background M2SD. When there are no previous historical exceedances, **or** when a value exceeds the M2SD of the historical concentration in the well when there have been historical exceedances of Tier II action levels, the required action is to initiate monthly sampling . If action levels are exceeded for three consecutive

months, by the above criteria, then appropriate parties are notified and the possible impacts to surface water are evaluated.

Drainage (D) Monitoring Wells: These wells are located in stream drainages, downgradient of contaminant plumes. They have the same programmatic requirements as PE wells under the IMP. A reportable exceedance occurs if a measured concentration exceeds a Tier II action level **and** the background M2SD. When there are no historical exceedances, **or** a value exceeds the M2SD of the historical concentration in the well when there have been historical exceedances of Tier II action levels, the required action is to initiate monthly sampling. If action levels are exceeded for three consecutive months, by the above criteria, then appropriate parties are notified and the possible impacts to surface water are evaluated.

Boundary (B) Monitoring Wells: These wells monitor ground water leaving the eastern Site boundary through the stream drainage channels. A reportable exceedance occurs if a measured concentration exceeds a Tier II action level **and** the background M2SD. When there are no historical exceedances, **or** a value exceeds the M2SD of the historical concentration in the well when there have been historical exceedances of Tier II action levels, the required action is to initiate monthly sampling. If action levels are exceeded for three consecutive months, by the above criteria, then appropriate parties are notified and the possible impacts to surface water are evaluated.

D&D (DD) Monitoring Wells: These wells monitor for releases to groundwater from deactivation and decommissioning (D&D) activities. A reportable exceedance occurs when a measured concentration exceeds the M2SD of the established historical baseline concentration downgradient of the building(s). The required action is to inform appropriate parties and initiate an evaluation of the situation.

Performance Monitoring (PM) Wells: These wells monitor the effect of a remediation or source removal action, as required in the ALF. If an increasing trend in the concentration of a contaminant is noted, then the appropriate parties are notified and an evaluation of the situation is initiated.

RCRA Monitoring Wells: These wells monitor downgradient groundwater contaminant concentrations at RCRA units. If the mean concentration of a contaminant in a downgradient well exceeds the mean concentration in upgradient wells **and** concentrations at the well show an upward trend with time, a report will be made to appropriate agencies and an investigation will be initiated to investigate possible causes.

3.0 GROUNDWATER DATA QUALITY ASSESSMENT

In this section, the quality of the analytical data is assessed in terms of five data-quality parameters: precision, accuracy, representativeness, completeness, and comparability (PARCC) (EPA, 1992). This section summarizes the types of data available to assess the PARCC parameters, presents the results of data-quality evaluations for each analyte type, and evaluates the overall quality of the groundwater monitoring data for the second quarter, 1997.

All data used to evaluate the PARCC parameters were included in the raw electronic data deliverables (EDD) obtained from APO.

Precision:

Precision is a measure of the reproducibility of analytical results. Precision is expressed quantitatively by the relative percent difference (RPD) between duplicate field samples as defined by the following equation:

$$RPD = \frac{|(S-D)|}{(S+D)/2} * 100$$

where

S=first sample

D=duplicate sample

The RPD was not calculated for duplicate samples for which the analytical result for either member was qualified as undetected by the laboratory. This includes "U" qualified data for volatile organic compounds and "U" and "B" qualified data for inorganic compounds. The data flag "U" indicates that the analyte was not present above the detection limit. The data flag "B" indicates that the value is larger than the instrument detection limit but less than the method detection limit for inorganics. Results in these categories have inherently poor reproducibility and are described qualitatively. Individual RPDs can be found in Table 3-1. The QC criterion for RPDs is 20%.

Accuracy:

Accuracy is a measure of how closely an analytical result corresponds to the "true" concentration in a sample. Accuracy is expressed quantitatively by the percent recovery (%R) obtained from spiked samples as derived by the following equation:

$$\%R = \frac{(SSR-SR)}{SA} \times 100$$

where

SSR = spiked sample result

SR = sample result

SA = spike added

Percent recoveries for individual samples are reported in the data set and are shown in Table 3-2. The QC criterion for % Recovery is adopted from EPA (1988a and 1988b) and is 75% to 125% for all analytes.

Representativeness:

The discussion of representativeness in this section is limited to an evaluation of whether analytical results for field samples are truly representative of environmental concentrations or whether they may have been influenced by the introduction of contamination during collection and handling. Other aspects of representativeness such as numbers of samples and spatial distribution are addressed in the Ground Water Integrated Monitoring Plan (DOE, 1997).

Possible introduction of contamination is evaluated by examination of the analytical results for equipment rinsates (Table 3-3). There are no data for field blanks or trip blanks for second quarter, 1997. Equipment rinsates are used to assess the efficacy of the decontamination process and possible cross-contamination between environmental samples. They are samples of volatile free ASTM Type II water that have been poured over or through decontaminated sampling equipment and subsequently handled in the same manner as environmental samples.

Although rinsates are used specifically as indicators of cross-contamination during decontamination of equipment, they are carried through the entire sampling, shipping, and laboratory process and are, consequently, also good indicators of possible introduced contamination during any of these steps.

Completeness:

As of the writing of this report, data were not yet validated by a third party. Thus a determination of completeness based on validated samples cannot be performed. However, all samples specified in the IMP were collected unless well disposition was prohibitive (i.e. dry or went dry during sampling). Table 4-1 presents a summary of sample collection and well disposition. All analytical results for the second quarter had been received prior to the writing of this report. It is unnecessary to discuss completeness with respect to individual analyte groups.

Comparability:

Analytical methods and sampling techniques remained consistent for each analyte group over the sampling period. Laboratory analyses were performed according to standard CLP protocols and results should be comparable to data produced by similar methods. It is unnecessary to discuss comparability in terms of individual analyte groups.

3.1 METALS

There are 28 records for duplicates in the data set for dissolved metals in the second quarter, 1997 (frequency = 1 in 20 samples). Of these, there were 5 instances of detections in both samples of a REAL-DUP pair for which an RPD could be calculated. These included Ba, Ca, Mg, Na, and Sr. None of the detected pairs had RPDs exceeding the QC criterion of 20% (Table 3-1). Thus, overall precision for metals is good.

There were 63 records for spike recovery of dissolved metals (>1 in 10). Sample GW05504TE results for Fe, Pb and Tl were below the 75% QC criterion for while results for K exceeded the QC criterion. The target analysis for this sample contained exceedances of action levels for nickel and selenium and spike recoveries for these analytes were within QC limits. Recovery for Se was very low in sample GW05522TE (9.9%). Selenium is a reportable exceedance for the target analysis

from this sample. Results for all other analytes fell between the QC criterion of 75% - 125%. This indicates acceptable overall accuracy for the second quarter with 92% of records meeting the criterion.

There were 28 rinsate records for metals from the second quarter, 1997 (1 in 20). All were "U" or "B" qualified indicating that no metals contamination was introduced during sampling and/or shipping activities.

3.2 RADIONUCLIDES

The data set for dissolved radionuclides contains 3 real/duplicate pairs in the second quarter for which an RPD could be calculated. These pairs represent uranium isotope analysis for one field duplicate sample collected. Plutonium-239/240 and americium-241 results were "U" qualified for both the REAL and DUP sample. RPDs calculated for all three uranium isotopes were below the QC criterion of 20% indicating good overall precision for uranium isotopes in the second quarter.

Laboratory control sample recovery is used to assess accuracy for radionuclides. There were 4 LCS samples run for Pu, Am, and U isotopes and three LCS samples run for tritium analyses. This amounted to one per batch as is required. Recovery for all LCS results (19 records) were well within the QC criterion of 75% - 125% indicating good accuracy for radionuclides in the second quarter.

There were 5 rinsate records for radionuclides all of which were "J" or "U" qualified indicating they are below detection limits. Thus, there is no indication of introduced contamination during sampling activities.

3.3 VOLATILE ORGANIC COMPOUNDS

There were 61 field duplicate records for organic compounds in the second quarter (1 in 24 samples). Ninety-two percent of these (56 records) were reported non-detects. Of the five pairs having detects, two were identical (RPD = 0%). RPDs for two pairs exceeded the QC criterion of 20%. These were for chloroform and methylene chloride at location 03991. Results for methylene chloride were at or near the detection limit and "B" qualified indicating that they were also present in the method blank for this batch (Table 3-1). Results for chloroform were estimated at or below the detection limit ("J" qualified). Values near the detection limit have inherently poor precision. (DOE, 1993). Based on the fraction exceeding QC criterion, precision is good for organic compounds.

There were 138 matrix spike and matrix spike duplicate sample results for the second quarter, 1997. For matrix spike samples, all but three % Recovery values (97%) were between 75% and 125% indicating excellent overall accuracy for organic compounds. For matrix spike duplicate samples, one analyte, hexachlorobutadiene, exceeded the QC criterion in one sample. As should be expected, this corresponded with an exceedance for the same analyte in the matrix spike analysis for the same sample.

There were 43 rinsate records for volatile organic compounds. All were non-detects. Thus, there is no indication of introduced organic contamination for the sampling period.

3.4 WATER QUALITY PARAMETERS

There was one duplicate analysis for nitrate/nitrite during the second quarter (1 in 17). The calculated RPD for this sample pair was 6.3%, well within the accepted QC standard. Precision could not be determined for sulfate or other water quality parameters since there were no duplicate samples collected for these analytes. Only seven real samples were collected for water quality parameters other than nitrate.

There were no matrix spike results reported with water quality parameter analytical results. Therefore, accuracy for these compounds could not be assessed. This was probably due to confusion caused by laboratory contract changes occurring at that time.

There was one equipment rinsate result for nitrate/nitrite in the second quarter. Nitrate/nitrite was not detected in the sample indicating that there was no introduced contamination during sampling activities.

Table 3-1
Relative Percent Differences (RPDs) for Groundwater
Second Quarter, 1997

Location	Analyte	REAL result	Qual	DUP result	Qual	Units	DIFF (REAL-DUP)	Avg (REAL+DUP)/2	RPD DIFF/AVG*100
Dissolved Metals									
03991	BARIUM	190		190		UG/L	0	190	0.0%
03991	CALCIUM	107000		107000		UG/L	0	107000	0.0%
03991	MAGNESIUM	11900		12000		UG/L	100	11950	0.8%
03991	SODIUM	13400		13500		UG/L	100	13450	0.7%
03991	STRONTIUM	417		416		UG/L	1	416.5	0.2%
Volatile Organic Compounds									
03991	CARBON TETRACHLORIDE	9		8		UG/L	1	8.5	11.8%
03991	CHLOROFORM	1	J	0	J	UG/L	1	0.5	200.0%
03991	METHYLENE CHLORIDE	2	B	1	J,B	UG/L	1	1.5	66.7%
03991	TETRACHLOROETHENE	2		2		UG/L	0	2	0.0%
03991	TRICHLOROETHENE	1	J	1	J	UG/L	0	1	0.0%
Radionuclides									
03991	U-234	1.39		1.25		PCI/L	0.14	1.32	10.6%
03991	U-235	0.075	J	0.089	J	PCI/L	0.014	0.082	17.1%
03991	U-238	0.919	J	0.772	J	PCI/L	0.147	0.8455	17.4%
Water Quality Parameters									
03991	NITRATE/NITRITE	4.9		4.6		MG/L	0.3	4.75	6.3%

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Table 3-2
Percent Recovery for Spiked Samples
Groundwater - Second Quarter, 1997

Lab	Sample Number	Result Type	Analyte	Result	Units
Metals					
RECRA	GW05495TE	SPK	ALUMINUM	103	%
RECRA	GW05495TE	SPK	ANTIMONY	99.6	%
RECRA	GW05495TE	SPK	ARSENIC	99.3	%
RECRA	GW05495TE	SPK	BARIUM	97.1	%
RECRA	GW05495TE	SPK	BERYLLIUM	96.6	%
RECRA	GW05495TE	SPK	CADMIUM	98	%
RECRA	GW05495TE	SPK	CHROMIUM	97.9	%
RECRA	GW05495TE	SPK	COBALT	96.4	%
RECRA	GW05495TE	SPK	COPPER	101	%
RECRA	GW05495TE	SPK	IRON	82.7	%
RECRA	GW05495TE	SPK	LEAD	100	%
RECRA	GW05495TE	SPK	MANGANESE	101	%
RECRA	GW05495TE	SPK	NICKEL	94.6	%
RECRA	GW05495TE	SPK	SELENIUM	86.3	%
RECRA	GW05495TE	SPK	SILVER	99.2	%
RECRA	GW05495TE	SPK	THALLIUM	94.3	%
RECRA	GW05495TE	SPK	VANADIUM	97.4	%
RECRA	GW05495TE	SPK	ZINC	95.8	%
RECRA	GW05504TE	SPK	ALUMINUM	105	%
RECRA	GW05504TE	SPK	ANTIMONY	82	%
RECRA	GW05504TE	SPK	ARSENIC	93.9	%
RECRA	GW05504TE	SPK	BARIUM	98.6	%
RECRA	GW05504TE	SPK	BERYLLIUM	96.2	%
RECRA	GW05504TE	SPK	CADMIUM	89.2	%
RECRA	GW05504TE	SPK	CHROMIUM	113	%
RECRA	GW05504TE	SPK	COBALT	96.6	%
RECRA	GW05504TE	SPK	COPPER	102	%
RECRA	GW05504TE	SPK	IRON	56.8	%
RECRA	GW05504TE	SPK	LEAD	52.6	%
RECRA	GW05504TE	SPK	MANGANESE	99.4	%
RECRA	GW05504TE	SPK	NICKEL	96	%
RECRA	GW05504TE	SPK	POTASSIUM	135	%
RECRA	GW05504TE	SPK	SILVER	95.1	%
RECRA	GW05504TE	SPK	THALLIUM	71.9	%
RECRA	GW05504TE	SPK	VANADIUM	96.9	%
RECRA	GW05504TE	SPK	ZINC	97.1	%
PARA	GW05522TE	MS1	ALUMINUM	97.5	%REC
PARA	GW05522TE	MS1	ANTIMONY	103.2	%REC
PARA	GW05522TE	MS1	ARSENIC	98.2	%REC
PARA	GW05522TE	MS1	BARIUM	96.6	%REC
PARA	GW05522TE	MS1	BERYLLIUM	104.5	%REC
PARA	GW05522TE	MS1	CADMIUM	98.2	%REC
PARA	GW05522TE	MS1	CHROMIUM	95	%REC
PARA	GW05522TE	MS1	COBALT	98.2	%REC

Table 3-2
Percent Recovery for Spiked Samples
Groundwater - Second Quarter, 1997

Lab	Sample Number	Result Type	Analyte	Result	Units
PARA	GW05522TE	MS1	COPPER	98.4	%REC
PARA	GW05522TE	MS1	IRON	106.8	%REC
PARA	GW05522TE	MS1	LEAD	86.6	%REC
PARA	GW05522TE	MS1	LITHIUM	100	%REC
PARA	GW05522TE	MS1	MANGANESE	97.8	%REC
PARA	GW05522TE	MS1	MERCURY	102	%REC
PARA	GW05522TE	MS1	MOLYBDENUM	97.1	%REC
PARA	GW05522TE	MS1	NICKEL	100	%REC
PARA	GW05522TE	MS1	SELENIUM	9.9	%REC
PARA	GW05522TE	MS1	SILVER	99.4	%REC
PARA	GW05522TE	MS1	STRONTIUM	95.8	%REC
PARA	GW05522TE	MS1	THALLIUM	95.7	%REC
PARA	GW05522TE	MS1	TIN	97.4	%REC
PARA	GW05522TE	MS1	URANIUM	105.9	%REC
PARA	GW05522TE	MS1	VANADIUM	97.4	%REC
PARA	GW05522TE	MS1	ZINC	100.5	%REC
PARA	GW05541TE-MS	MS1	MERCURY	99.1	%REC
RECRA	GW05556TE	SPK	MERCURY	96.8	%
RECRA	GW05558TE	SPK	MERCURY	94.2	%
Volatile Organic Compounds					
QDEN	GW05498TEMS	MS1	1,1-DICHLOROETHANE	93	%REC
QDEN	GW05498TEMS	MS1	1,2-DICHLOROETHANE-D4	93	%REC
QDEN	GW05498TEMS	MS1	1,3-DICHLOROBENZENE	110	%REC
QDEN	GW05498TEMS	MS1	4-BROMOFLUOROBENZENE	89	%REC
QDEN	GW05498TEMS	MS1	BENZENE	94	%REC
QDEN	GW05498TEMS	MS1	BROMODICHLOROMETHANE	90	%REC
QDEN	GW05498TEMS	MS1	CHLOROBENZENE	92	%REC
QDEN	GW05498TEMS	MS1	CHLOROFORM	101	%REC
QDEN	GW05498TEMS	MS1	ETHYLBENZENE	83	%REC
QDEN	GW05498TEMS	MS1	HEXACHLOROBUTADIENE	134	%REC
QDEN	GW05498TEMS	MS1	TOLUENE	100	%REC
QDEN	GW05498TEMS	MS1	TOLUENE-D8	98	%REC
QDEN	GW05498TEMS	MS1	TRICHLOROETHENE	108	%REC
QDEN	GW05498TESD	MD1	1,1-DICHLOROETHANE	88	%REC
QDEN	GW05498TESD	MD1	1,2-DICHLOROETHANE-D4	93	%REC
QDEN	GW05498TESD	MD1	1,3-DICHLOROBENZENE	107	%REC
QDEN	GW05498TESD	MD1	4-BROMOFLUOROBENZENE	90	%REC
QDEN	GW05498TESD	MD1	BENZENE	92	%REC
QDEN	GW05498TESD	MD1	BROMODICHLOROMETHANE	86	%REC
QDEN	GW05498TESD	MD1	CHLOROBENZENE	87	%REC
QDEN	GW05498TESD	MD1	CHLOROFORM	98	%REC
QDEN	GW05498TESD	MD1	ETHYLBENZENE	81	%REC
QDEN	GW05498TESD	MD1	HEXACHLOROBUTADIENE	132	%REC
QDEN	GW05498TESD	MD1	TOLUENE	101	%REC
QDEN	GW05498TESD	MD1	TOLUENE-D8	98	%REC

Table 3-2
Percent Recovery for Spiked Samples
Groundwater - Second Quarter, 1997

Lab	Sample Number	Result Type	Analyte	Result	Units
QDEN	GW05498TESD	MD1	TRICHLOROETHENE	104	%REC
PARA	GW05500TE	MS1	1,1,1,2-TETRACHLOROETHANE	97	%REC
PARA	GW05500TE	MS1	1,1,1-TRICHLOROETHANE	103	%REC
PARA	GW05500TE	MS1	1,1,2,2-TETRACHLOROETHANE	107	%REC
PARA	GW05500TE	MS1	1,1,2-TRICHLOROETHANE	98	%REC
PARA	GW05500TE	MS1	1,1-DICHLOROETHANE	99	%REC
PARA	GW05500TE	MS1	1,1-DICHLOROETHENE	106	%REC
PARA	GW05500TE	MS1	1,1-DICHLOROPROPENE	104	%REC
PARA	GW05500TE	MS1	1,2,3-TRICHLOROBENZENE	103	%REC
PARA	GW05500TE	MS1	1,2,3-TRICHLOROPROPANE	99	%REC
PARA	GW05500TE	MS1	1,2,4-TRICHLOROBENZENE	102	%REC
PARA	GW05500TE	MS1	1,2,4-TRIMETHYLBENZENE	101	%REC
PARA	GW05500TE	MS1	1,2-DIBROMO-3-CHLOROPROPANE	87	%REC
PARA	GW05500TE	MS1	1,2-DIBROMOETHANE	96	%REC
PARA	GW05500TE	MS1	1,2-DICHLOROBENZENE	98	%REC
PARA	GW05500TE	MS1	1,2-DICHLOROBENZENE-D4	100	%REC
PARA	GW05500TE	MS1	1,2-DICHLOROETHANE	95	%REC
PARA	GW05500TE	MS1	1,2-DICHLOROPROPANE	99	%REC
PARA	GW05500TE	MS1	1,3,5-TRIMETHYLBENZENE	103	%REC
PARA	GW05500TE	MS1	1,3-DICHLOROBENZENE	103	%REC
PARA	GW05500TE	MS1	1,3-DICHLOROPROPANE	96	%REC
PARA	GW05500TE	MS1	1,4-DICHLOROBENZENE	97	%REC
PARA	GW05500TE	MS1	2,2-DICHLOROPROPANE	60	%REC
PARA	GW05500TE	MS1	2-CHLOROTOLUENE	100	%REC
PARA	GW05500TE	MS1	4-BROMOFLUOROBENZENE	105	%REC
PARA	GW05500TE	MS1	4-CHLOROTOLUENE	99	%REC
PARA	GW05500TE	MS1	BENZENE	104	%REC
PARA	GW05500TE	MS1	BROMOBENZENE	99	%REC
PARA	GW05500TE	MS1	BROMOCHLOROMETHANE	95	%REC
PARA	GW05500TE	MS1	BROMODICHLOROMETHANE	94	%REC
PARA	GW05500TE	MS1	BROMOFORM	86	%REC
PARA	GW05500TE	MS1	BROMOMETHANE	101	%REC
PARA	GW05500TE	MS1	CARBON TETRACHLORIDE	103	%REC
PARA	GW05500TE	MS1	CHLOROBENZENE	99	%REC
PARA	GW05500TE	MS1	CHLOROETHANE	107	%REC
PARA	GW05500TE	MS1	CHLOROFORM	91	%REC
PARA	GW05500TE	MS1	CHLOROMETHANE	108	%REC
PARA	GW05500TE	MS1	CIS-1,2-DICHLOROETHENE	100	%REC
PARA	GW05500TE	MS1	CIS-1,3-DICHLOROPROPENE	91	%REC
PARA	GW05500TE	MS1	DIBROMOCHLOROMETHANE	90	%REC
PARA	GW05500TE	MS1	DIBROMOMETHANE	93	%REC
PARA	GW05500TE	MS1	DICHLORODIFLUOROMETHANE	109	%REC
PARA	GW05500TE	MS1	ETHYLBENZENE	99	%REC
PARA	GW05500TE	MS1	HEXACHLOROBUTADIENE	110	%REC
PARA	GW05500TE	MS1	ISOPROPYLBENZENE	105	%REC

Table 3-2
Percent Recovery for Spiked Samples
Groundwater - Second Quarter, 1997

Lab	Sample Number	Result Type	Analyte	Result	Units
PARA	GW05500TE	MS1	M+P-XYLENE	107	%REC
PARA	GW05500TE	MS1	METHYLENE CHLORIDE	67	%REC
PARA	GW05500TE	MS1	N-BUTYLBENZENE	104	%REC
PARA	GW05500TE	MS1	N-PROPYLBENZENE	105	%REC
PARA	GW05500TE	MS1	NAPHTHALENE	94	%REC
PARA	GW05500TE	MS1	O-XYLENE	101	%REC
PARA	GW05500TE	MS1	P-ISOPROPYLTOLUENE	100	%REC
PARA	GW05500TE	MS1	SEC-BUTYLBENZENE	104	%REC
PARA	GW05500TE	MS1	STYRENE	97	%REC
PARA	GW05500TE	MS1	TERT-BUTYLBENZENE	104	%REC
PARA	GW05500TE	MS1	TETRACHLOROETHENE	106	%REC
PARA	GW05500TE	MS1	TOLUENE	104	%REC
PARA	GW05500TE	MS1	TRANS-1,2-DICHLOROETHENE	101	%REC
PARA	GW05500TE	MS1	TRANS-1,3-DICHLOROPROPENE	79	%REC
PARA	GW05500TE	MS1	TRICHLOROETHENE	101	%REC
PARA	GW05500TE	MS1	TRICHLOROFLUOROMETHANE	108	%REC
PARA	GW05500TE	MS1	VINYL CHLORIDE	109	%REC
QDEN	GW05525TEMS	MS1	1,1-DICHLOROETHANE	95	%REC
QDEN	GW05525TEMS	MS1	1,2-DICHLOROETHANE-D4	85	%REC
QDEN	GW05525TEMS	MS1	1,3-DICHLOROBENZENE	117	%REC
QDEN	GW05525TEMS	MS1	4-BROMOFLUOROBENZENE	101	%REC
QDEN	GW05525TEMS	MS1	BENZENE	94	%REC
QDEN	GW05525TEMS	MS1	BROMODICHLOROMETHANE	80	%REC
QDEN	GW05525TEMS	MS1	CHLOROBENZENE	107	%REC
QDEN	GW05525TEMS	MS1	CHLOROFORM	94	%REC
QDEN	GW05525TEMS	MS1	ETHYLBENZENE	109	%REC
QDEN	GW05525TEMS	MS1	HEXACHLOROBUTADIENE	110	%REC
QDEN	GW05525TEMS	MS1	TOLUENE	102	%REC
QDEN	GW05525TEMS	MS1	TOLUENE-D8	98	%REC
QDEN	GW05525TEMS	MS1	TRICHLOROETHENE	94	%REC
QDEN	GW05525TESD	MD1	1,1-DICHLOROETHANE	95	%REC
QDEN	GW05525TESD	MD1	1,2-DICHLOROETHANE-D4	90	%REC
QDEN	GW05525TESD	MD1	1,3-DICHLOROBENZENE	112	%REC
QDEN	GW05525TESD	MD1	4-BROMOFLUOROBENZENE	100	%REC
QDEN	GW05525TESD	MD1	BENZENE	95	%REC
QDEN	GW05525TESD	MD1	BROMODICHLOROMETHANE	83	%REC
QDEN	GW05525TESD	MD1	CHLOROBENZENE	103	%REC
QDEN	GW05525TESD	MD1	CHLOROFORM	97	%REC
QDEN	GW05525TESD	MD1	ETHYLBENZENE	96	%REC
QDEN	GW05525TESD	MD1	HEXACHLOROBUTADIENE	107	%REC
QDEN	GW05525TESD	MD1	TOLUENE	101	%REC
QDEN	GW05525TESD	MD1	TOLUENE-D8	97	%REC
QDEN	GW05525TESD	MD1	TRICHLOROETHENE	90	%REC
QDEN	GW05558TEMS	MS1	1,1-DICHLOROETHANE	96	%REC
QDEN	GW05558TEMS	MS1	1,2-DICHLOROETHANE-D4	97	%REC

Table 3-2
Percent Recovery for Spiked Samples
Groundwater - Second Quarter, 1997

Lab	Sample Number	Result Type	Analyte	Result	Units
QDEN	GW05558TEMS	MS1	1,3-DICHLOROBENZENE	108	%REC
QDEN	GW05558TEMS	MS1	4-BROMOFLUOROBENZENE	99	%REC
QDEN	GW05558TEMS	MS1	BENZENE	101	%REC
QDEN	GW05558TEMS	MS1	BROMODICHLOROMETHANE	97	%REC
QDEN	GW05558TEMS	MS1	CHLOROBENZENE	98	%REC
QDEN	GW05558TEMS	MS1	CHLOROFORM	93	%REC
QDEN	GW05558TEMS	MS1	ETHYLBENZENE	87	%REC
QDEN	GW05558TEMS	MS1	HEXACHLOROBUTADIENE	99	%REC
QDEN	GW05558TEMS	MS1	TOLUENE	104	%REC
QDEN	GW05558TEMS	MS1	TOLUENE-D8	99	%REC
QDEN	GW05558TEMS	MS1	TRICHLOROETHENE	79	%REC
QDEN	GW05558TESD	MD1	1,1-DICHLOROETHANE	91	%REC
QDEN	GW05558TESD	MD1	1,2-DICHLOROETHANE-D4	102	%REC
QDEN	GW05558TESD	MD1	1,3-DICHLOROBENZENE	108	%REC
QDEN	GW05558TESD	MD1	4-BROMOFLUOROBENZENE	92	%REC
QDEN	GW05558TESD	MD1	BENZENE	99	%REC
QDEN	GW05558TESD	MD1	BROMODICHLOROMETHANE	94	%REC
QDEN	GW05558TESD	MD1	CHLOROBENZENE	93	%REC
QDEN	GW05558TESD	MD1	CHLOROFORM	92	%REC
QDEN	GW05558TESD	MD1	ETHYLBENZENE	81	%REC
QDEN	GW05558TESD	MD1	HEXACHLOROBUTADIENE	95	%REC
QDEN	GW05558TESD	MD1	TOLUENE	100	%REC
QDEN	GW05558TESD	MD1	TOLUENE-D8	100	%REC
QDEN	GW05558TESD	MD1	TRICHLOROETHENE	85	%REC

Table 3-3
Percent Recovery for Laboratory Control Samples
Groundwater - Second Quarter, 1997
Radionuclides

Lab	Lab Batch	Lab Sample Number	Result Type	Analyte	LCS Recovery	Units
SCA	1036	QC97-1036-LC1B	LC1	AM-241	103	%REC
SCA	1036	QC97-1036-LC1	LC1	PU-239	94	%REC
SCA	1036	QC97-1036-LC1	LC1	U-234	95	%REC
SCA	1036	QC97-1036-LC1	LC1	U-238	93	%REC
SCA	1039	QC97-1039-LC1	LC1	AM-241	110	%REC
SCA	1039	QC97-1039-LC1	LC1	PU-239	107	%REC
SCA	1039	QC97-1039-LC1	LC1	U-234	99	%REC
SCA	1039	QC97-1039-LC1	LC1	U-238	94	%REC
SCA	1047	SCAQC-1047-LC1	LC1	AM-241	99	%REC
SCA	1047	SCAQC-1047-LC1	LC1	PU-239	98	%REC
SCA	1047	SCAQC-1047-LC1	LC1	U-234	89	%REC
SCA	1047	SCAQC-1047-LC1	LC1	U-238	88	%REC
SCA	1062	SCAQC-1062-LC1	LC1	AM-241	96	%REC
SCA	1062	SCAQC-1062-LC1B	LC1	PU-239/240	105	%REC
SCA	1062	SCAQC-1062-LC1	LC1	U-233/234	82	%REC
SCA	1062	SCAQC-1062-LC1	LC1	U-238	84	%REC
SWLO	970619129-1	970619129-1-LCS	LC1	TRITIUM	87	%REC
SWLO	970716129-1	970716129-1-LCS	LC1	TRITIUM	100	%REC
SWLO	970731129-1	970806129-1 LCS	LC1	TRITIUM	96	%REC

Table 3-4
Equipment Rinsate Sample Results
Groundwater - Second Quarter, 1997

Location	Sample Number	QC Type	Analyte	Result	Qual	Units	Det. Lim.
Dissolved Metals							
03991	GW05579TE	RNS	ALUMINUM	8.8	U	UG/L	8.8
03991	GW05579TE	RNS	ANTIMONY	2.2	U	UG/L	2.2
03991	GW05579TE	RNS	ARSENIC	2	U	UG/L	2
03991	GW05579TE	RNS	BARIUM	1.8	B	UG/L	0.1
03991	GW05579TE	RNS	BERYLLIUM	0.2	U	UG/L	0.2
03991	GW05579TE	RNS	CADMIUM	0.2	U	UG/L	0.2
03991	GW05579TE	RNS	CALCIUM	205	B	UG/L	3.3
03991	GW05579TE	RNS	CHROMIUM	0.4	U	UG/L	0.4
03991	GW05579TE	RNS	COBALT	0.8	B	UG/L	0.7
03991	GW05579TE	RNS	COPPER	0.49	B	UG/L	0.4
03991	GW05579TE	RNS	IRON	37.5	B	UG/L	9.2
03991	GW05579TE	RNS	LEAD	1.2	U	UG/L	1.2
03991	GW05579TE	RNS	LITHIUM	1.9	U	UG/L	1.9
03991	GW05579TE	RNS	MAGNESIUM	5.8	U	UG/L	5.8
03991	GW05579TE	RNS	MANGANESE	1.2	B	UG/L	0.1
03991	GW05579TE	RNS	MERCURY	0.03	U	UG/L	0.03
03991	GW05579TE	RNS	MOLYBDENUM	2.7	U	UG/L	2.7
03991	GW05579TE	RNS	NICKEL	0.6	U	UG/L	0.6
03991	GW05579TE	RNS	POTASSIUM	109	B	UG/L	30.6
03991	GW05579TE	RNS	SELENIUM	2.3	U	UG/L	2.3
03991	GW05579TE	RNS	SILVER	0.7	U	UG/L	0.7
03991	GW05579TE	RNS	SODIUM	82.1	B	UG/L	4
03991	GW05579TE	RNS	STRONTIUM	0.4	U	UG/L	0.4
03991	GW05579TE	RNS	THALLIUM	4.8	B	UG/L	3.6
03991	GW05579TE	RNS	TIN	10.1	U	UG/L	10.1
03991	GW05579TE	RNS	URANIUM	70.3	U	UG/L	70.3
03991	GW05579TE	RNS	VANADIUM	0.6	U	UG/L	0.6
03991	GW05579TE	RNS	ZINC	11.7	B	UG/L	0.6
Radionuclides							
03991	GW05579TE	RNS	AM-241	0.003	U	PCI/L	0.022
03991	GW05579TE	RNS	PU-239	0	U	PCI/L	0.017
03991	GW05579TE	RNS	U-234	0.031	U	PCI/L	0.092
03991	GW05579TE	RNS	U-235	0.038	U	PCI/L	0.052
03991	GW05579TE	RNS	U-238	0.046	J	PCI/L	0.042
Volatile Organic Compounds							
03991	GW05579TE	RNS	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1,1-TRICHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1,2-TRICHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1-DICHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1-DICHLOROETHENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,1-DICHLOROPROPENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2-DIBROMO-3-CHLOROPROPANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2-DIBROMOETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2-DICHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2-DICHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,2-DICHLOROPROPANE	1	U	UG/L	1

Table 3-4
Equipment Rinsate Sample Results
Groundwater - Second Quarter, 1997

Location	Sample Number	QC Type	Analyte	Result	Qual	Units	Det. Lim.
Volatile Organic Compounds							
03991	GW05579TE	RNS	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,3-DICHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	1,3-DICHLOROPROPANE	1	U	UG/L	1
03991	GW05579TE	RNS	1,4-DICHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	2,2-DICHLOROPROPANE	1	U	UG/L	1
03991	GW05579TE	RNS	2-CHLOROTOLUENE	1	U	UG/L	1
03991	GW05579TE	RNS	4-CHLOROTOLUENE	1	U	UG/L	1
03991	GW05579TE	RNS	BENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	BROMOBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	BROMOCHLOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	BROMODICHLOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	BROMOFORM	1	U	UG/L	1
03991	GW05579TE	RNS	BROMOMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	CARBON TETRACHLORIDE	1	U	UG/L	1
03991	GW05579TE	RNS	CHLOROBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	CHLOROETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	CHLOROFORM	1	U	UG/L	1
03991	GW05579TE	RNS	CHLOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1
03991	GW05579TE	RNS	CIS-1,3-DICHLOROPROPENE	1	U	UG/L	1
03991	GW05579TE	RNS	DIBROMOCHLOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	DIBROMOMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	DICHLORODIFLUOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	ETHYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	HEXACHLOROBUTADIENE	1	U	UG/L	1
03991	GW05579TE	RNS	ISOPROPYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	M+P-XYLENE	1	U	UG/L	1
03991	GW05579TE	RNS	METHYLENE CHLORIDE	1	J,B	UG/L	1
03991	GW05579TE	RNS	N-BUTYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	N-PROPYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	NAPHTHALENE	1	U	UG/L	1
03991	GW05579TE	RNS	O-XYLENE	1	U	UG/L	1
03991	GW05579TE	RNS	P-ISOPROPYLTOLUENE	1	U	UG/L	1
03991	GW05579TE	RNS	SEC-BUTYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	STYRENE	1	U	UG/L	1
03991	GW05579TE	RNS	TERT-BUTYLBENZENE	1	U	UG/L	1
03991	GW05579TE	RNS	TETRACHLOROETHENE	1	U	UG/L	1
03991	GW05579TE	RNS	TOLUENE	1	U	UG/L	1
03991	GW05579TE	RNS	TRANS-1,2-DICHLOROETHENE	1	U	UG/L	1
03991	GW05579TE	RNS	TRANS-1,3-DICHLOROPROPENE	1	U	UG/L	1
03991	GW05579TE	RNS	TRICHLOROETHENE	1	U	UG/L	1
03991	GW05579TE	RNS	TRICHLOROFUOROMETHANE	1	U	UG/L	1
03991	GW05579TE	RNS	VINYL CHLORIDE	1	U	UG/L	1
Water Quality Parameters							
03991	GW05579TE	RNS	NITRATE/NITRITE	0.017	B	MG/L	0.05

4.0 RESULTS

Groundwater sampling for the second quarter, 1997 included 32 wells. Of these, 3 were completely dry and an additional 7 yielded only enough water to collect a partial analytical suite. Analysis for five VOC samples were halted due to laboratory volume constraints. These will be resampled in the next quarter. Table 4-1 summarizes data collection activities and data reporting status for the second quarter of 1997. All sample results for the second quarter had been received as of this writing.

Major findings are presented in Table 4-2 and are summarized in the following discussion. Figure 1 illustrates the location of major plume boundaries relative to monitoring well locations. Wells found to have reportable exceedances of Tier I or II action level criteria are noted. Historical trends are shown for PM and D&D wells for analytes with concentrations above Tier I or II action levels (Figures 2a-2p). Historical trends are also shown for all organic compounds with concentrations exceeding Tier II action levels, and for any inorganic analytes with concentrations exceeding Tier II action levels **and** background M2SD. The RFCA requires that this information be reported quarterly.

4.1 TIER I AND TIER II EXCEEDANCES

No Tier I exceedances were identified for the second quarter of 1997. There were 8 reportable exceedances of Tier II action levels described below. All reportable exceedances were also identified in previous quarters and are described in the 1996 RFCA Annual Groundwater Monitoring Report (DOE, 1997).

Boundary Wells The only boundary well with sampling results for the second quarter of 1997, well 10394, had no reportable Tier II exceedances. U-233 and U-238 concentrations were above the Tier II action levels but well below background.

D&D and Drainage Wells One drainage well, 6586, had a concentration for nickel exceeding the Tier II action level, background M2SD, and the historic M2SD (Fig.2-I). This is a reportable exceedance. Nickel was also an exceedance for the fourth quarter of 1996 and an evaluation of this well is being conducted Pending recalculation of background values.

Performance Monitoring Wells Well 10992 had concentrations of U-233, U-238, nitrate/nitrite, and selenium above Tier II action levels. Uranium isotopes were below background and the concentration for nitrate/nitrite was well within the historic M2SD (Fig.2-E). The concentration for selenium was above the Tier II action level and background M2SD. This may be a reportable exceedance. However, there are insufficient historic data from which to calculate a mean or plot a trend. A comparison with data collected in the third quarter of 1996 indicates a slight decrease in the concentration of selenium (629 UG/l and 545 UG/l respectively).

Plume Definition Wells There were no reportable exceedances for plume definition wells for the second quarter, 1997.

Well 00491 had concentrations of carbon tetrachloride, trichloroethene, tetrachloroethene (Fig.2-A-Fig.2-C), U-233, and U-238 above Tier II action levels. Concentrations for organic analytes were well below historic levels and results for uranium isotopes were below background for the site.

Well 2987 had concentrations of nickel (Fig.2-G), selenium (Fig.2-H), U-233, and U-238 above Tier II action levels. Again, results for uranium isotopes were below background M2SD and nickel and selenium concentrations were below the historic M2SD. These are not reportable exceedances.

Well P219189 had a tritium concentration of 690 PCI/l. This is above Tier II and background M2SD but below the historic M2SD for tritium in this well.

Plume Extent Wells Six PE wells have a total of 6 reportable Tier II exceedances of groundwater action levels or the second quarter of 1997. The results for all wells are discussed below.

Well 03991 contained levels of carbon tetrachloride, U-233/234, and U-238 above the Tier II action levels. The U-234 and U-238 results were below the background benchmark and are not reportable exceedances. The carbon tetrachloride concentration is a reportable exceedance but the result is well below the historic M2SD (Table 4-2 and Figure 2-D).

Well 10994 had a reportable exceedance for selenium (Fig.2-F) which was detected at a concentration above Tier II and background M2SD but below the historic M2SD for the well. Uranium 233/234, 238 and thallium were also present above Tier II action levels but below background. These are not reportable exceedances.

Wells 76992 and B208789 had concentrations of U-233/234 and U-238 above Tier II action levels but below background M2SD. These are not reportable exceedances.

Well P114389 had a reportable exceedance for manganese (Fig.2-J). The concentration was below the historic M2SD for the well.

Well P218389 had a reportable exceedance for nitrate/nitrite (Fig.2-K). The concentration was below historic mean for this well. U-233/234 and U-238 were also above Tier II levels but below background for this well. These are not reportable exceedances.

Well 219489 had a reportable exceedance for nitrate/nitrite (Fig.2-M). Concentrations were above background but below historic M2SD for the well.

Well P313589 had a concentration for nickel (Fig.2-N) above Tier II action levels and background M2SD. The concentration was below the historic M2SD for the well.

RCRA Wells One RCRA well, 52894, was sampled. Concentrations for one analyte, thallium, was slightly above the Tier II action level. This result was "B" qualified indicating that it was estimated below the method detection limit and should not be considered an exceedance.

Table 4-1
Second Quarter, 1997 RFCA Groundwater Monitoring Locations and Sample Collection Summary

Location	VOCs	Metals	Radionuclides			Water Quality Parameters	
			Tritium	PU/AM	U-ISO	Sulfate	Nitrate
00491	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	N/S	SAMPLED
03991	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	N/S	SAMPLED
10394	SAMPLED	N/S	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED
10592	SAMPLED	LACK WATER	N/S	N/S	LACK WATER	N/S	SAMPLED
10792	SAMPLED	LACK WATER	N/S	N/S	LACK WATER	N/S	SAMPLED
10992	SAMPLED	SAMPLED	N/S	N/S	SAMPLED	SAMPLED	SAMPLED
10994	SAMPLED	SAMPLED	N/S	N/S	SAMPLED	SAMPLED	SAMPLED
11092	SAMPLED	LACK WATER	N/S	N/S	LACK WATER	LACK WATER	SAMPLED
2186	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
22596	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
22696	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
22996	SAMPLED	N/S	N/S	SAMPLED	SAMPLED	N/S	N/S
2987	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	N/S	SAMPLED
3386	HALTED*	LACK WATER	SAMPLED	LACK WATER	LACK WATER	N/S	LACK WATER
43392	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
4787	DRY	DRY	N/S	N/S	DRY	N/S	DRY
4887	HALTED*	N/S	N/S	N/S	N/S	N/S	N/S
52894	HALTED*	SAMPLED	SAMPLED	LACK WATER	LACK WATER	N/S	SAMPLED
52994	DRY	DRY	DRY	N/S	DRY	N/S	DRY
5587	SAMPLED	N/S	N/S	N/S	SAMPLED	N/S	SAMPLED
6586	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	N/S	SAMPLED
6687	SAMPLED	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	SAMPLED
76992	SAMPLED	SAMPLED	SAMPLED	N/S	SAMPLED	SAMPLED	SAMPLED
B208789	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED
P114389	SAMPLED	SAMPLED	N/S	N/S	LACK WATER	N/S	N/S
P209289	LACK WATER	LACK WATER	LACK WATER	LACK WATER	N/S	N/S	LACK WATER
P218389	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED	SAMPLED
P219189	HALTED*	LACK WATER	SAMPLED	LACK WATER	LACK WATER	N/S	SAMPLED
P219489	HALTED*	LACK WATER	SAMPLED	LACK WATER	LACK WATER	N/S	SAMPLED
P313589	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
P416689	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S
P416789	SAMPLED	SAMPLED	N/S	N/S	N/S	N/S	N/S

N/S = Not sampled for this analyte group

* Analysis halted due to laboratory capacity and holding time constraints. Location will be resampled in third quarter, 1997.

Table 4-2
**Second Quarter, 1997 RFCA Groundwater Monitoring Sample Comparisons With
 Tier II Action Levels and IMP Exceedance Criteria**

Well Class	Sample Number	Location	Analyte	Result Units	Detect Lim.	Tier 2	BKGD. M2SD	historic M2SD	Exceed. Historic?	Reportable Exceedance?
BOUNDARY	GW05509TE 10394	U-234	2.2	PC/L	0.102	1.07	60.7	2.06	0.04	NO
BOUNDARY	GW05509TE 10394	U-238	1.42	PC/L	0.083	0.768	41.8	1.85	0.03	NO
D&D	GW05507TE 22996	U-234	2.61	PC/L	0.06	1.07	60.7	2.44	0.04	NO
D&D	GW05507TE 22996	U-238	1.92	PC/L	0.027	0.768	41.8	2.50	0.05	NO
DRAINAGE	GW05488TE 5587	U-234	7.55	PC/L	0.03	1.07	60.7	7.06	0.12	NO
DRAINAGE	GW05488TE 5587	U-238	6.22	PC/L	0.03	0.768	41.8	8.10	0.15	NO
DRAINAGE	GW05500TE 6586	Nickel	113	UG/L	0.6	100	21.37	1.13	5.29	YES
DRAINAGE	GW05500TE 6586	U-233/234	2.41	PC/L	0.072	1.07	60.7	2.25	0.04	NO
DRAINAGE	GW05500TE 6586	U-238	2.13	PC/L	0.032	0.768	41.8	2.77	0.05	NO
PERF MONITORING	GW05495TE 10992	Nitrate/Nitrite	23.2	MG/L	0	10	4.664	2.32	4.97	NO
PERF MONITORING	GW05495TE 10992	Selenium	545	UG/L	50	43.72	10.90	12.47	no data	YES
PERF MONITORING	GW05495TE 10992	U-234	6.69	PC/L	0.027	1.07	60.7	6.25	0.11	NO
PERF MONITORING	GW05495TE 10992	U-238	4.95	PC/L	0.027	0.768	41.8	6.45	0.12	NO
PLUME DEFINITION	GW05558TE 00491	Carbon tetrachloride	120	ug/L	1	5	24.00	545.00	NO	NO
PLUME DEFINITION	GW05558TE 00491	Tetrachloroethene	18	ug/L	0.6	5	3.60	54.00	NO	NO
PLUME DEFINITION	GW05558TE 00491	Trichloroethene	45	ug/L	1	5	9.00	153.00	NO	NO
PLUME DEFINITION	GW05558TE 00491	U-234	5.15	PC/L	0.03	1.07	60.7	4.81	0.08	NO
PLUME DEFINITION	GW05558TE 00491	U-238	3.96	PC/L	0.066	0.768	41.8	5.16	0.09	NO
PLUME DEFINITION	GW05504TE 2987	Nickel	1080	UG/L	1	100	21.37	10.80	50.54	NO
PLUME DEFINITION	GW05504TE 2987	Selenium	211	UG/L	50	50	43.72	4.22	4.83	NO
PLUME DEFINITION	GW05504TE 2987	U-234	11.1	PC/L	0.028	1.07	60.7	10.37	0.18	NO
PLUME DEFINITION	GW05504TE 2987	U-238	7.92	PC/L	0.028	0.768	41.8	10.31	0.19	NO
PLUME DEFINITION	GW05512TE P219189	Tritium	690	PC/L	260	666	612.98	1.04	1.13	NO
PLUME EXTENT	GW05521TE 03991	Carbon tetrachloride	9	UG/L	1	5	1.80	27.00	NO	YES
PLUME EXTENT	GW05521TE 03991	Thallium	4.4	UG/L	3.6	2	4.9	2.20	0.90	NO
PLUME EXTENT	GW05521TE 03991	U-234	1.39	PC/L	0.041	1.07	60.7	1.30	0.02	NO
PLUME EXTENT	GW05521TE 03991	U-238	0.919	PC/L	J	0.041	0.768	41.8	1.20	0.02
PLUME EXTENT	GW05522TE 10994	Selenium	401	UG/L	2.3	50	43.72	8.02	9.17	1097.00
PLUME EXTENT	GW05522TE 10994	Thallium	3.6	UG/L	B	3.6	2	4.9	1.80	0.73
PLUME EXTENT	GW05522TE 10994	U-233/234	6.35	PC/L	0.063	1.07	60.7	5.93	0.10	NO
PLUME EXTENT	GW05522TE 10994	U-238	4.24	PC/L	0.063	0.768	41.8	5.52	0.10	NO
PLUME EXTENT	GW05549TE 76992	U-234	3.05	PC/L	0.029	1.07	60.7	2.85	0.05	NO
PLUME EXTENT	GW05549TE 76992	U-238	1.54	PC/L	0.029	0.768	41.8	2.01	0.04	NO
PLUME EXTENT	GW05556TE B208789	U-234	8.06	PC/L	B	0.029	1.07	60.7	7.53	0.13
PLUME EXTENT	GW05556TE B208789	U-238	3.17	PC/L	0.033	0.768	41.8	4.13	0.08	NO
PLUME EXTENT	GW05529TE P114389	Manganese	616	UG/L	1	183	162.33	3.37	3.79	NO
PLUME EXTENT	GW05552TE P218389	Nitrate/Nitrite	10.8	MG/L	0	10	4.664	1.08	2.32	YES
PLUME EXTENT	GW05552TE P218389	U-234	3.38	PC/L	0.09	1.07	60.7	3.16	0.06	NO
PLUME EXTENT	GW05552TE P218389	U-238	3.17	PC/L	0.029	0.768	41.8	4.13	0.08	NO
PLUME EXTENT	GW05556TE P219469	Nitrate/Nitrite	44.3	MG/L	0	10	4.664	4.43	9.50	NO
PLUME EXTENT	GW05528TE P313558	Nickel	117	UG/L	1	100	21.37	1.17	5.47	YES
RCRA	GW05541TE 52894	Thallium	3.8	UG/L	B	3.6	2	4.9	1.90	0.78

5.0 REQUIRED ACTIONS

The decision criteria from the draft IMP outline the required actions to be taken after a reportable exceedance. The required actions for each type of well are included above, in the Methods Section.

For the second quarter, the only exceedance requiring an action is for nickel in well 6586. An evaluation of nickel concentrations for this well is currently underway and the situation will be re-examined pending the recalculation of background values for metals currently underway. The sampling schedule for this well will remain semi-annual.

Reported exceedances for other analytes and wells required no additional actions based on the decision criteria above. Generally, they were from wells previously known to have elevated levels for these contaminants and concentrations do not exceed historic M2SD benchmarks.

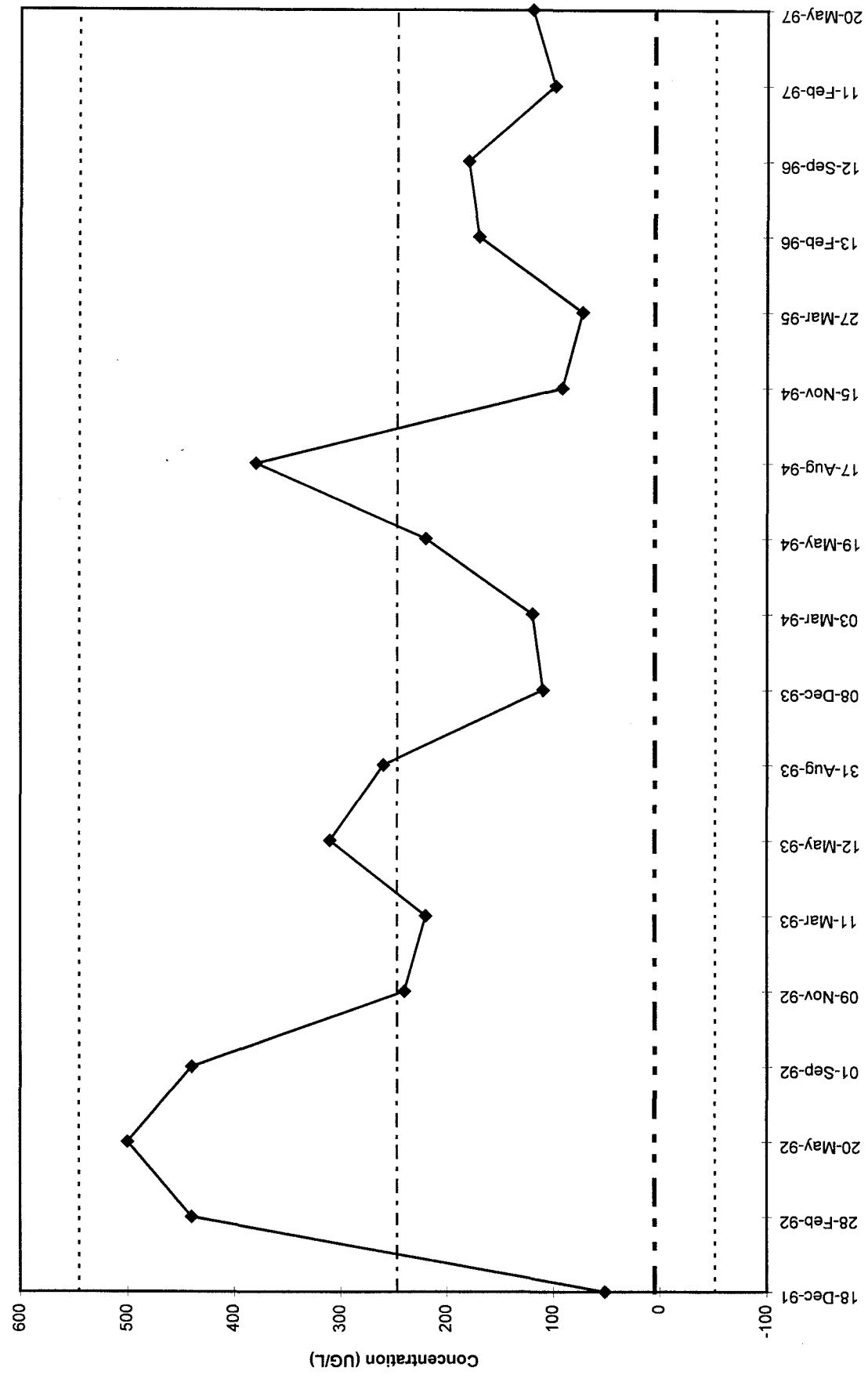
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- RMRS. 1997b. 1996 Fourth Quarter RFCA Groundwater Monitoring Report For Rocky Flats Environmental Technology Site. June, 1997.

7.0 FIGURES

Figure 2-A

Carbon Tetrachloride Trend Plot for Well 00491



Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean and mean ± 2 standard deviations

7-2

Figure 2-B

Tetrachloroethene Trend Plot for Well 00491

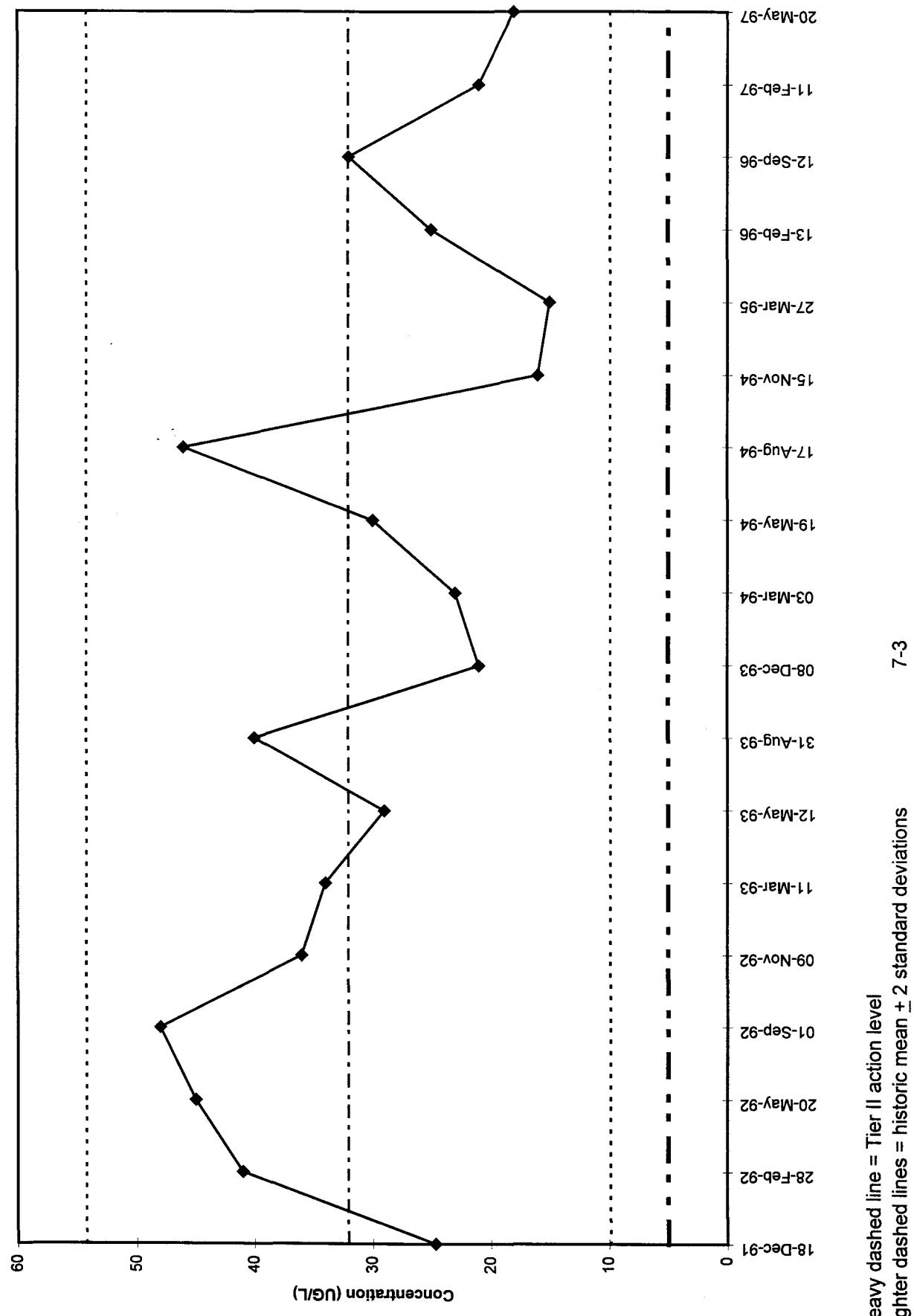
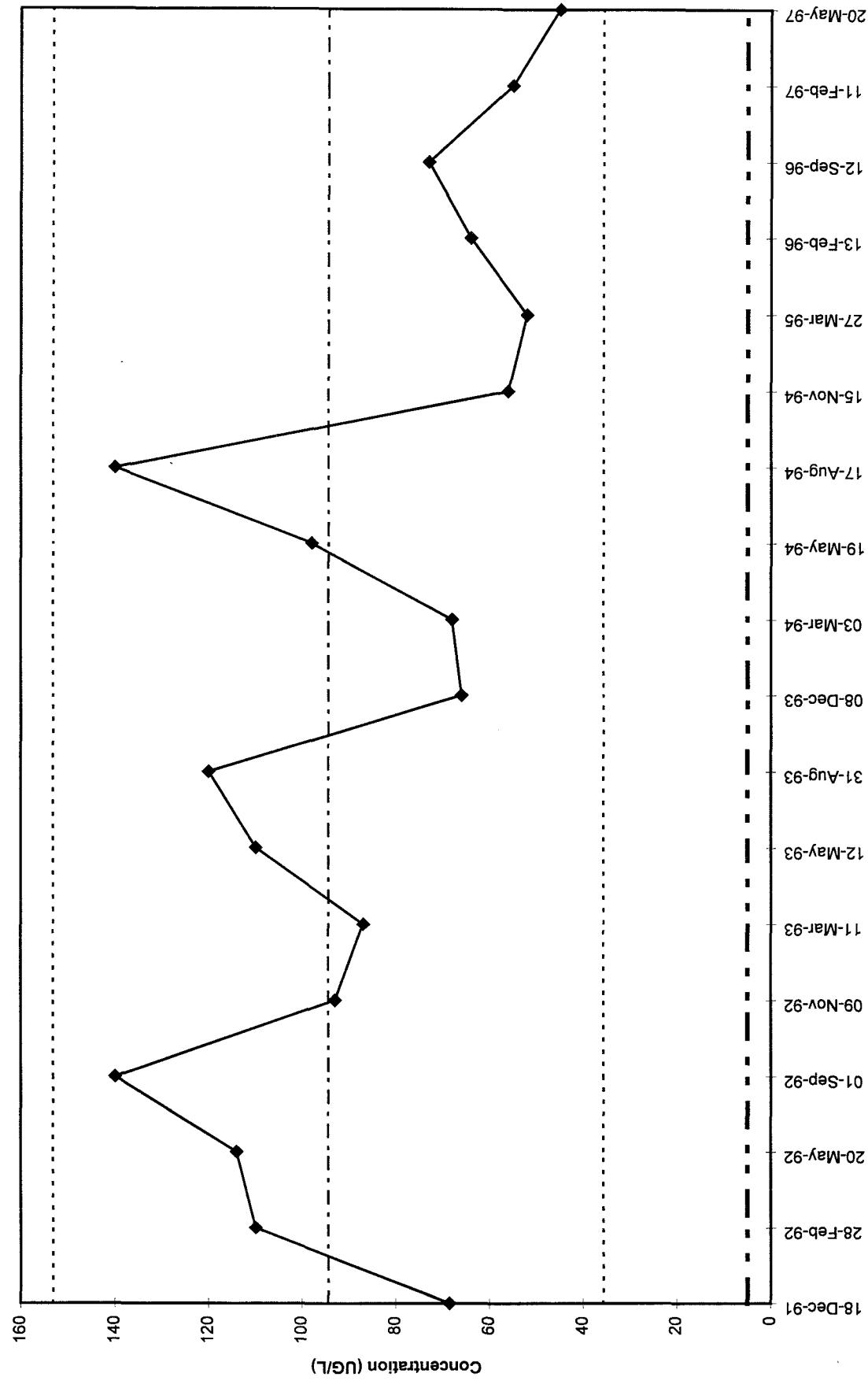


Figure 2-C

Trichloroethene Trend Plot for Well 00491



Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean and $\text{mean} \pm 2$ standard deviations

7-4

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Figure 2-D

Carbon Tetrachloride Trend Plot for Well 03991

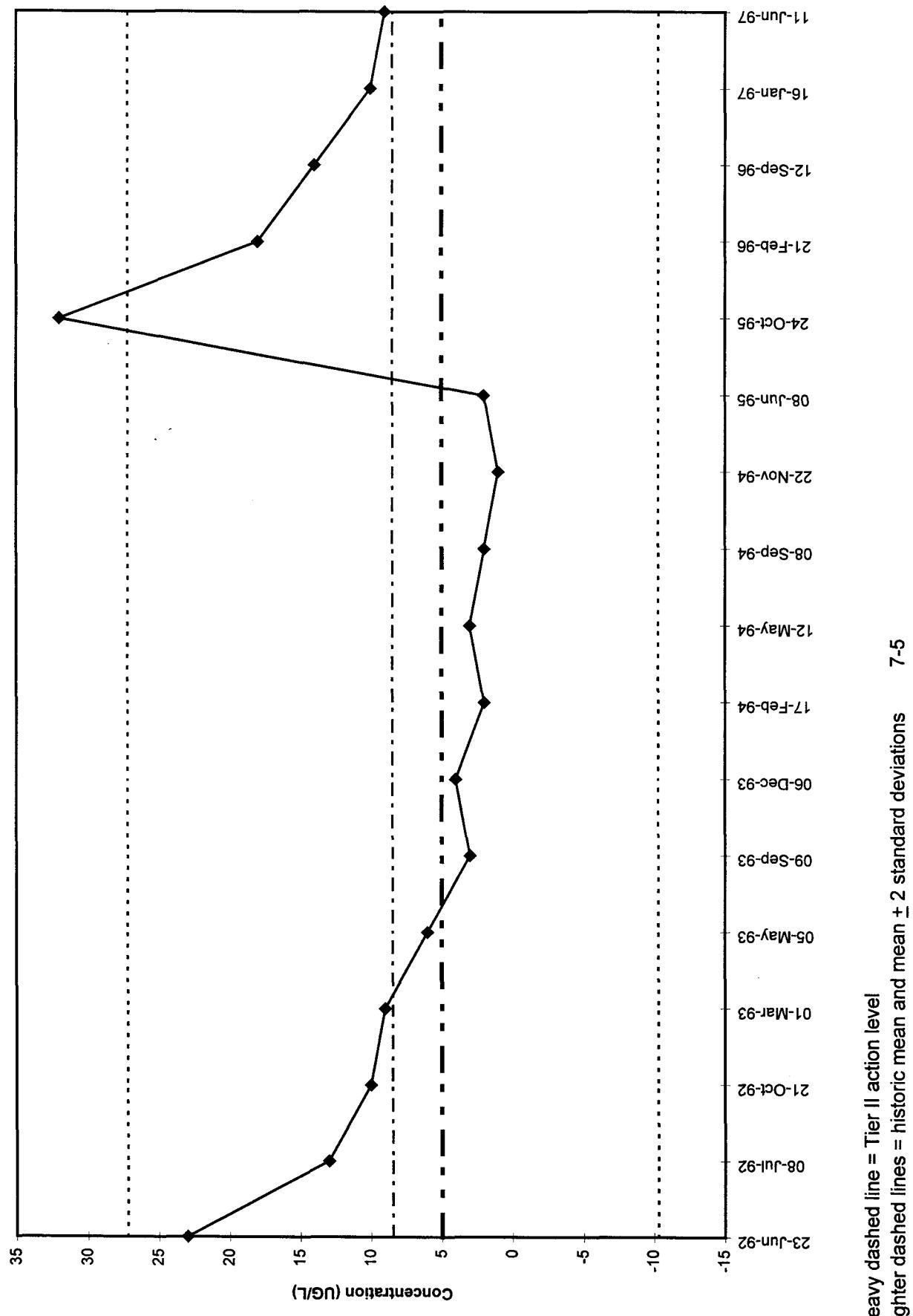
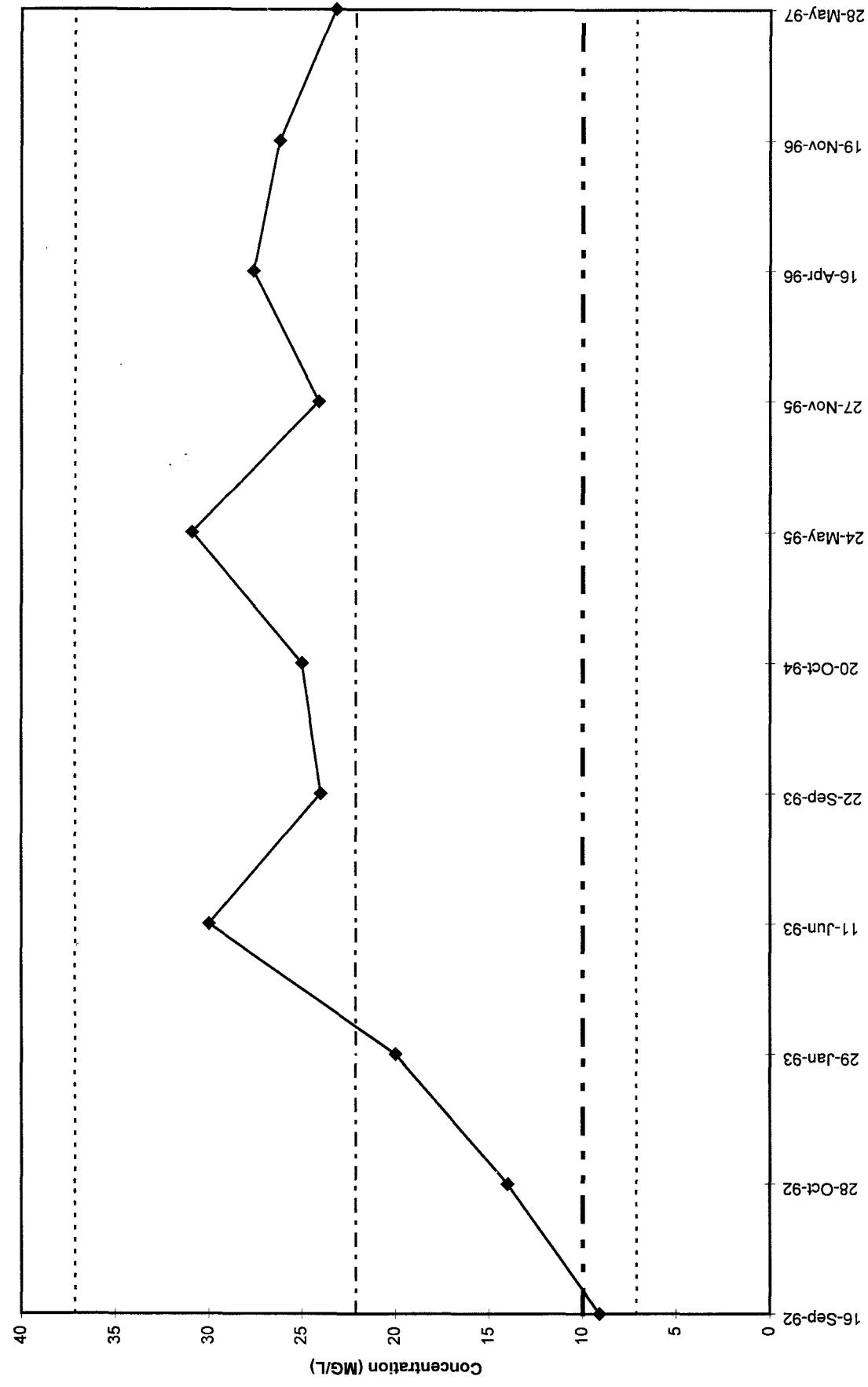


Figure 2-E

Nitrate/Nitrite Trend Plot for Well 10992



Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean and mean + 2 standard deviations

33

Figure 2-F

Selenium Trend Plot for Well 10994

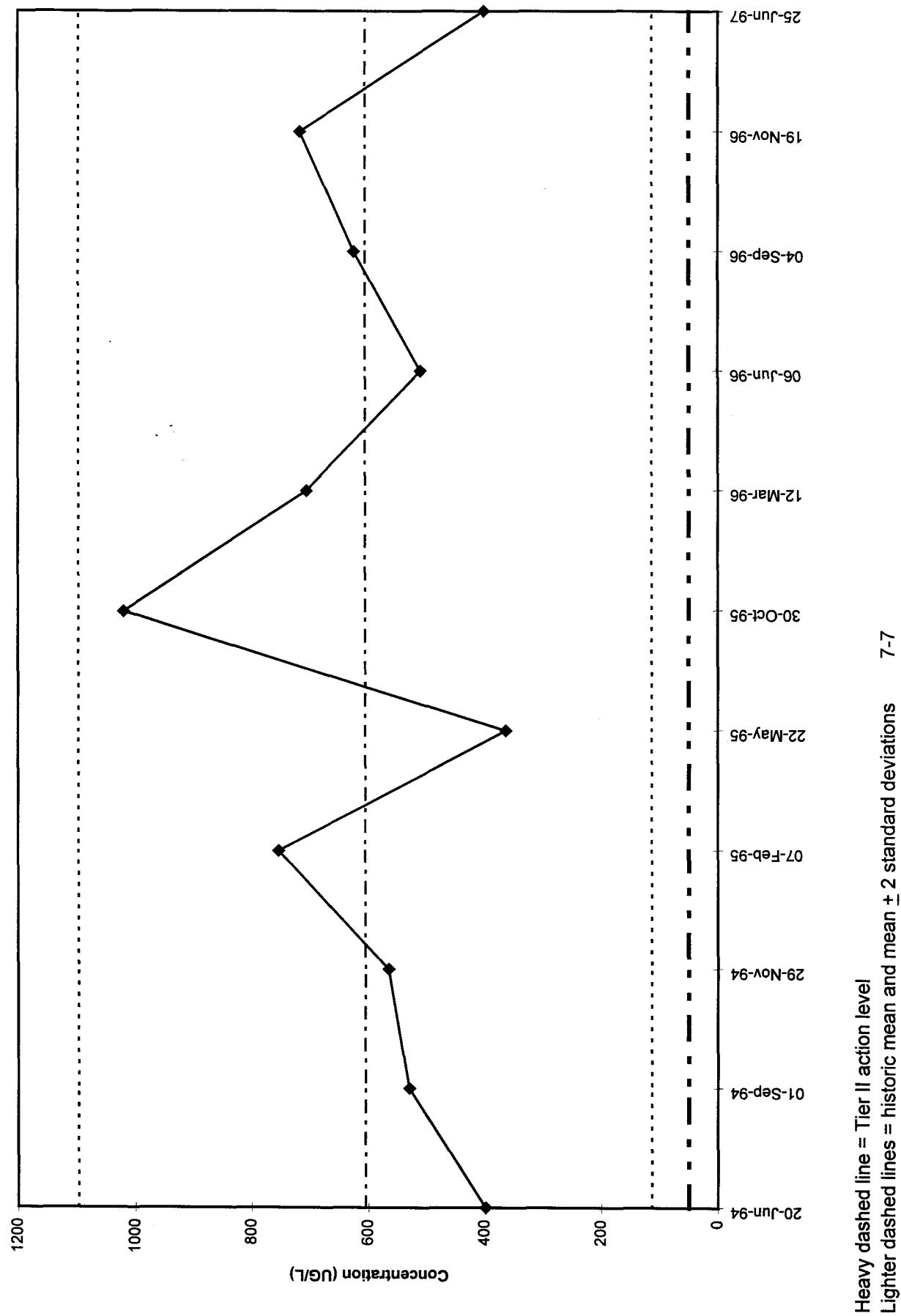
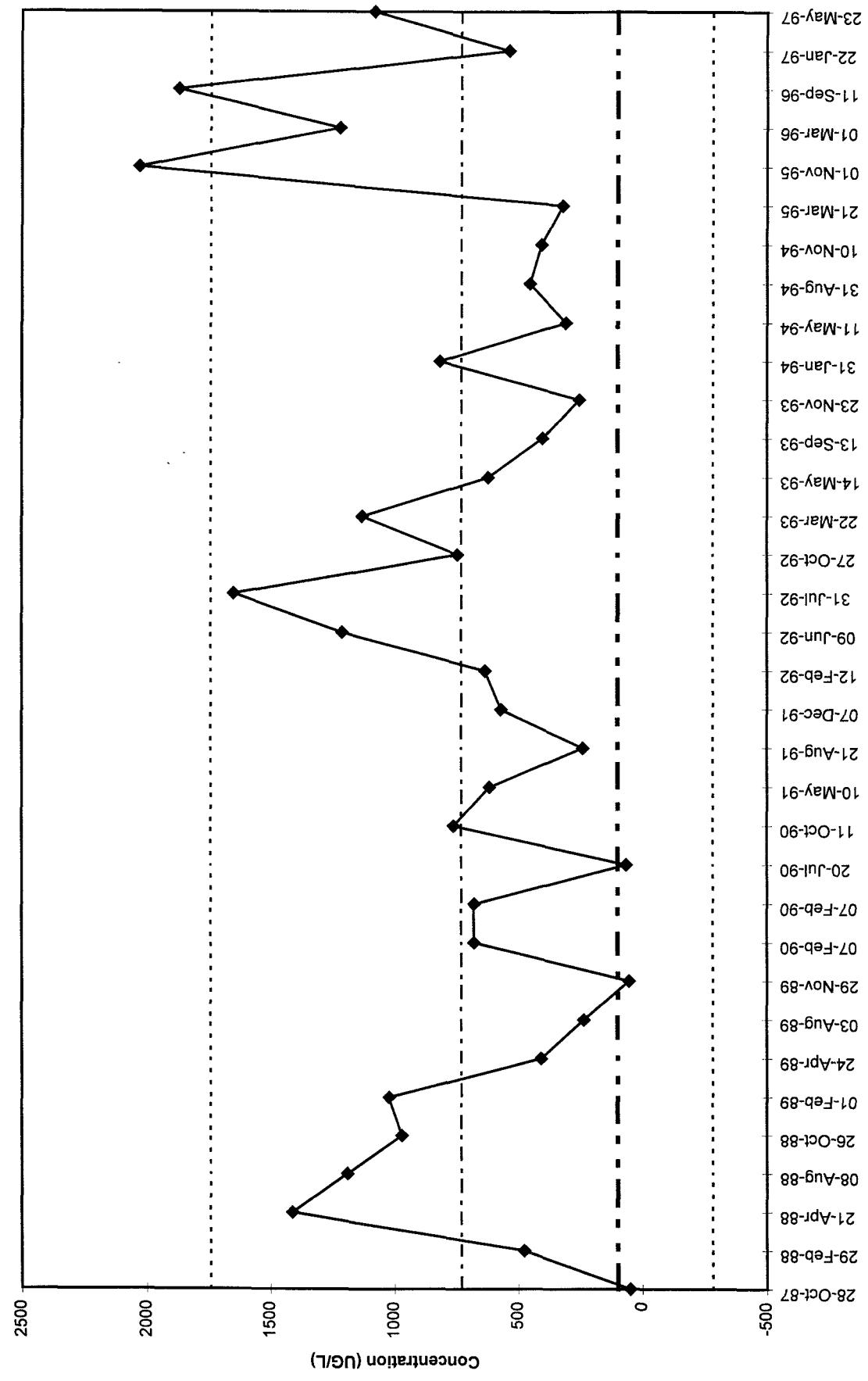


Figure 2-G

Nickel Trend Plot for Well 2987

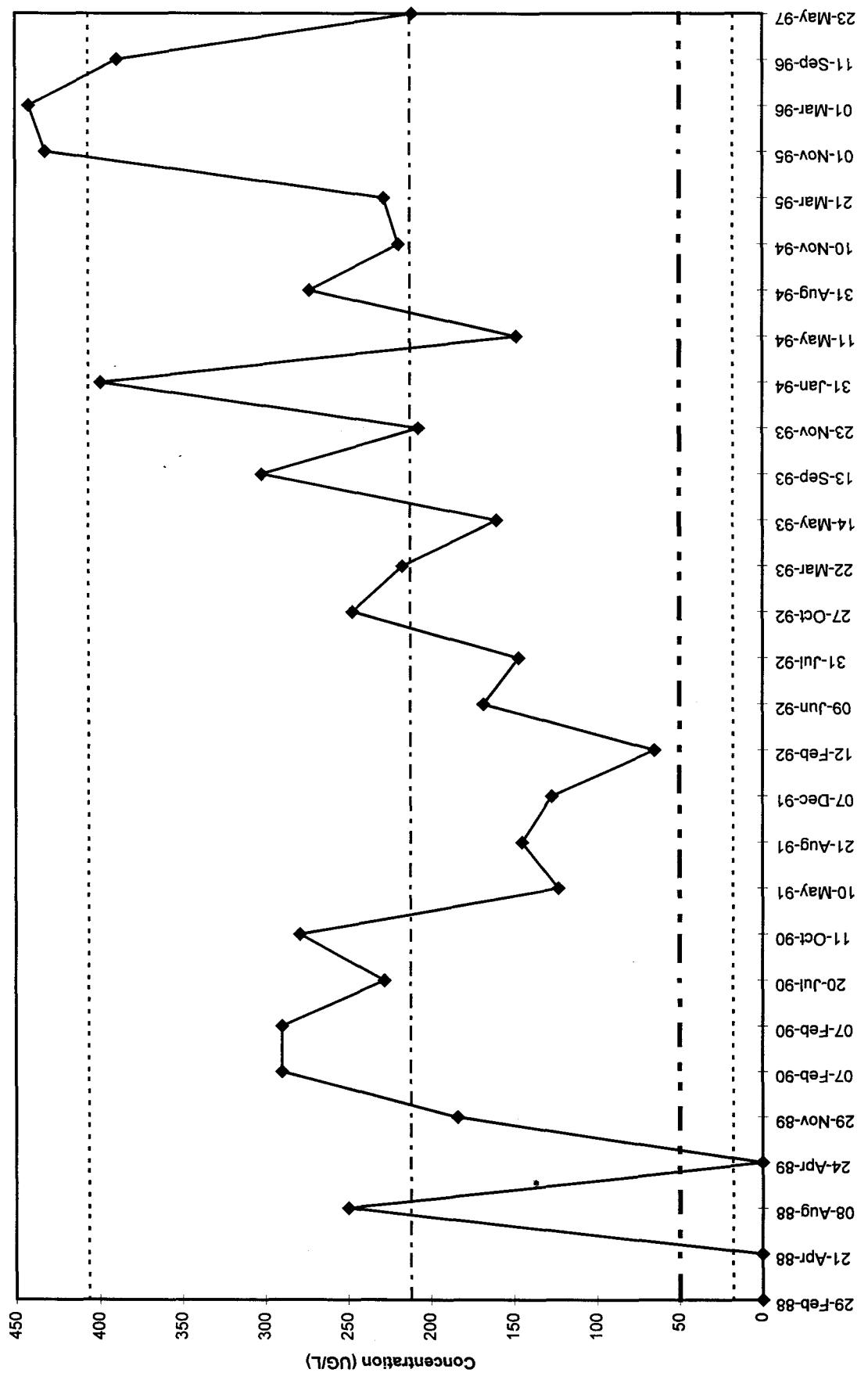


Heavy dashed line = Tier II action level
Light dashed lines = historic mean and mean \pm 2 standard deviation

7-8

Figure 2-H

Selenium Trend Plot for Well 2987



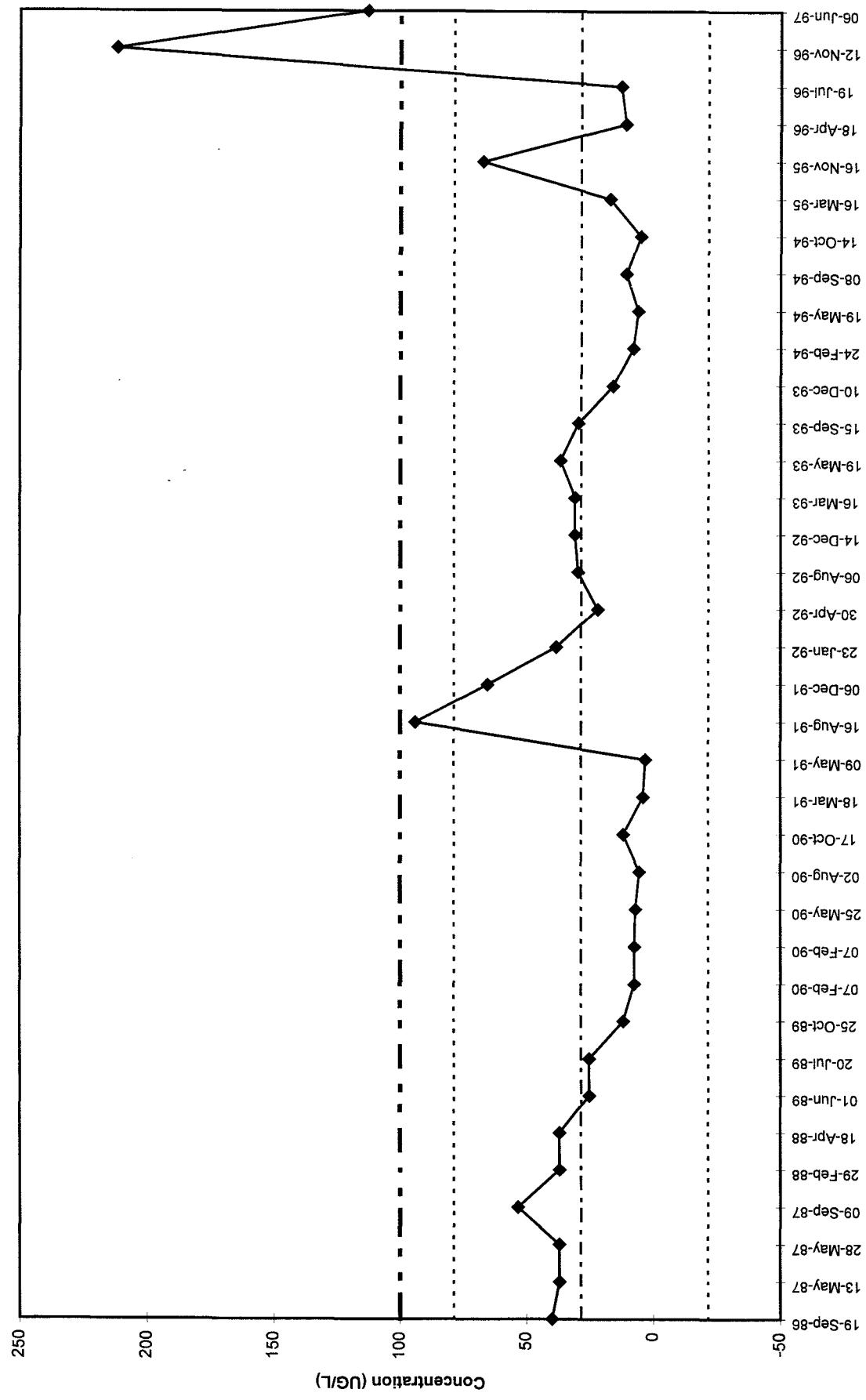
Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean and mean ± 2 standard deviations

7-9

JG

Figure 2-1

Nickel Trend Plot for Well 6586

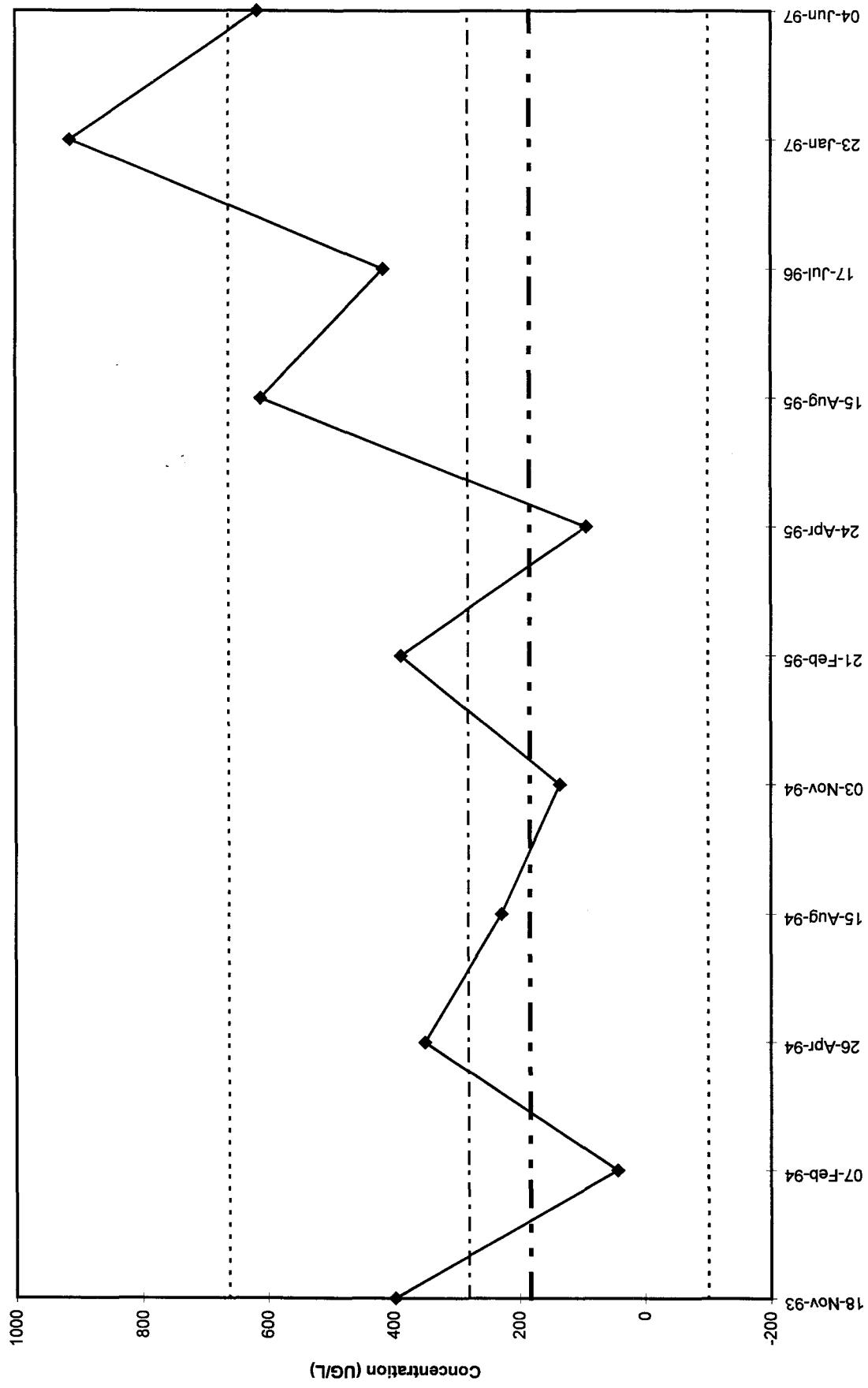


Heavy dashed line = Tier II action level
Light dashed lines = historic mean and mean \pm 2 standard deviations.

7-10

Figure 2-J

Manganese Trend Plot for Well P114389

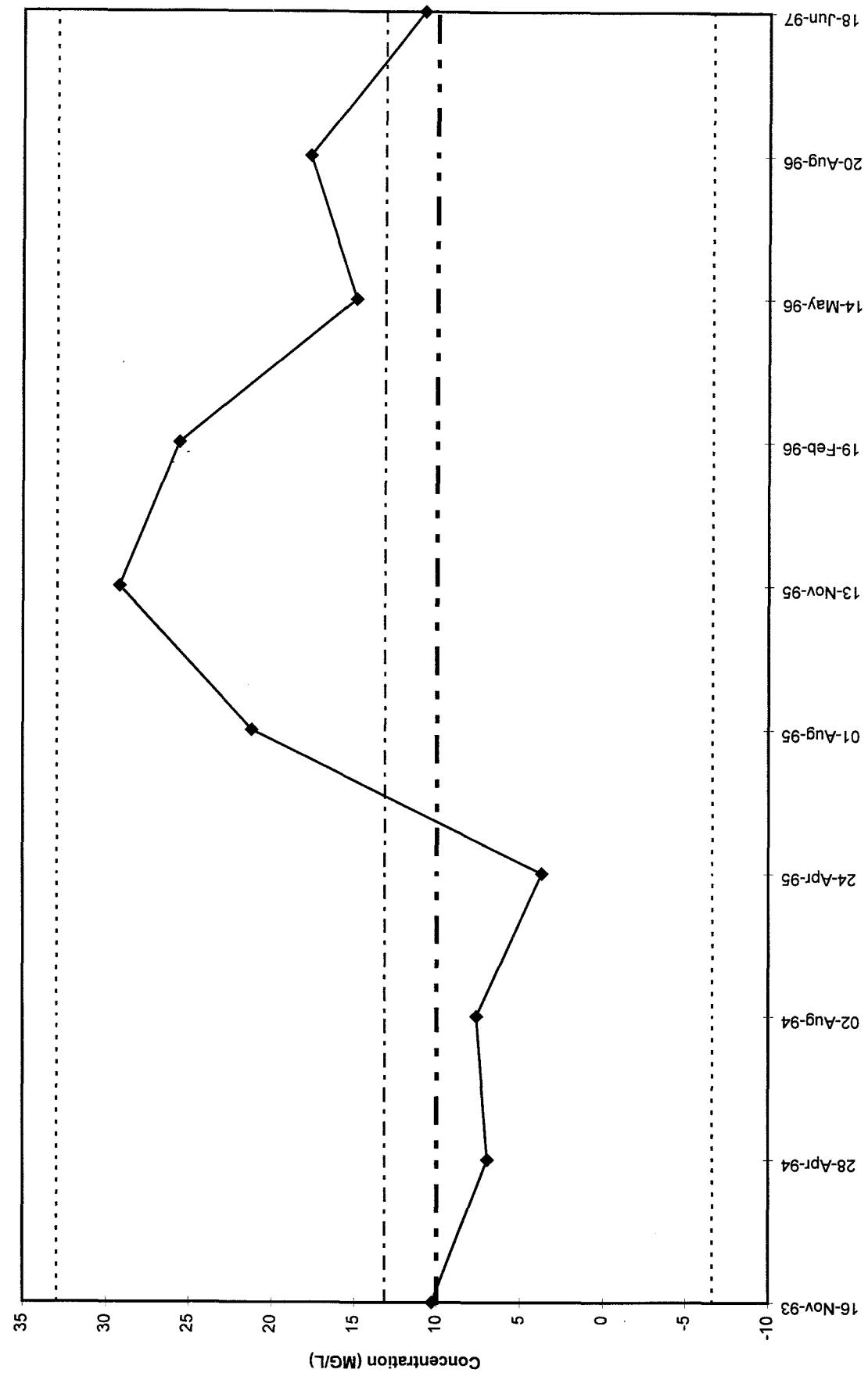


Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean ± 2 standard deviations

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Figure 2-K

Nitrate/Nitrite Trend Plot for Well P218389



Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean and mean ± 2 standard deviations

7-12

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Figure 2-L

Tritium Trend Plot for Well P219189

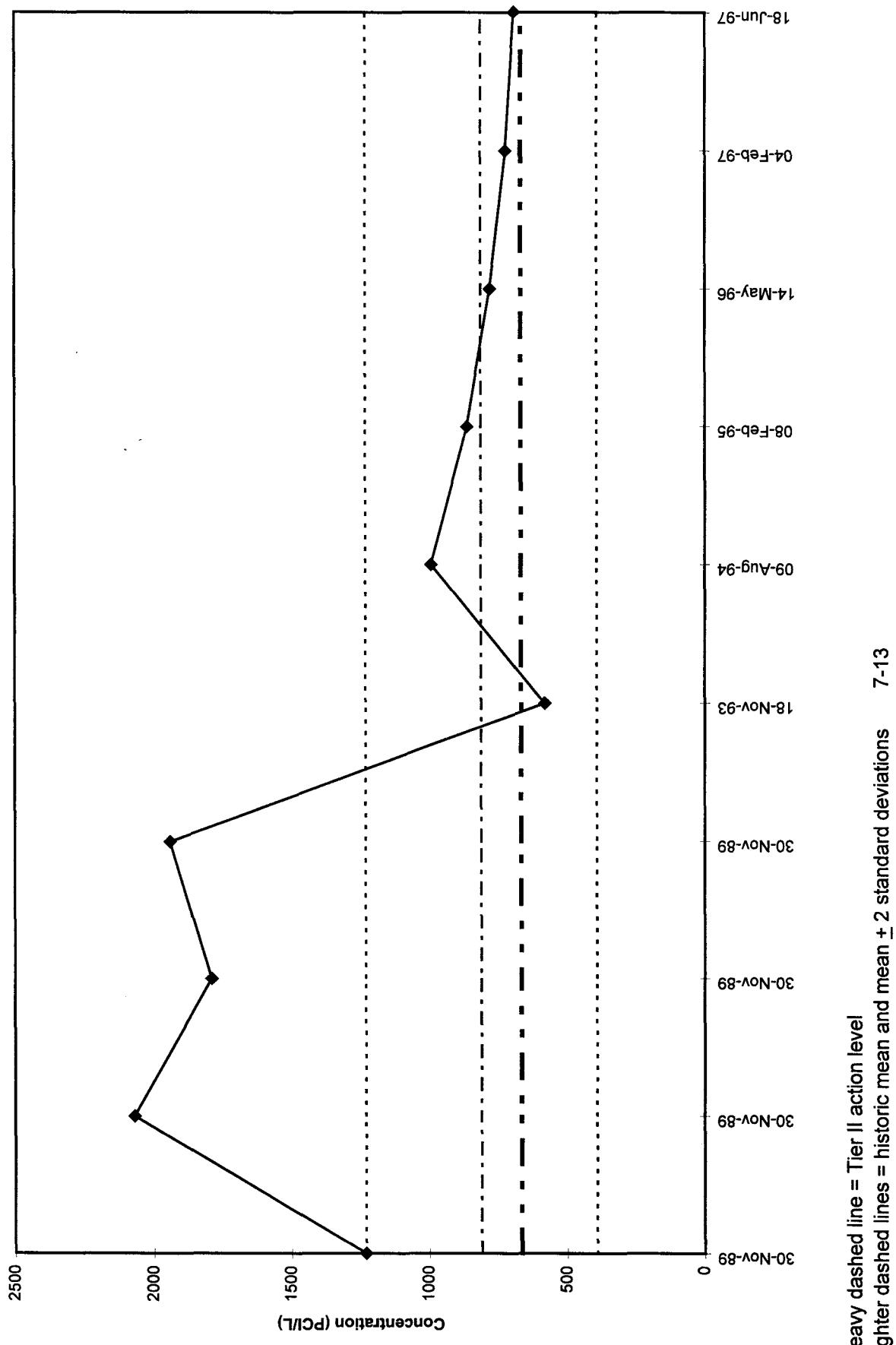
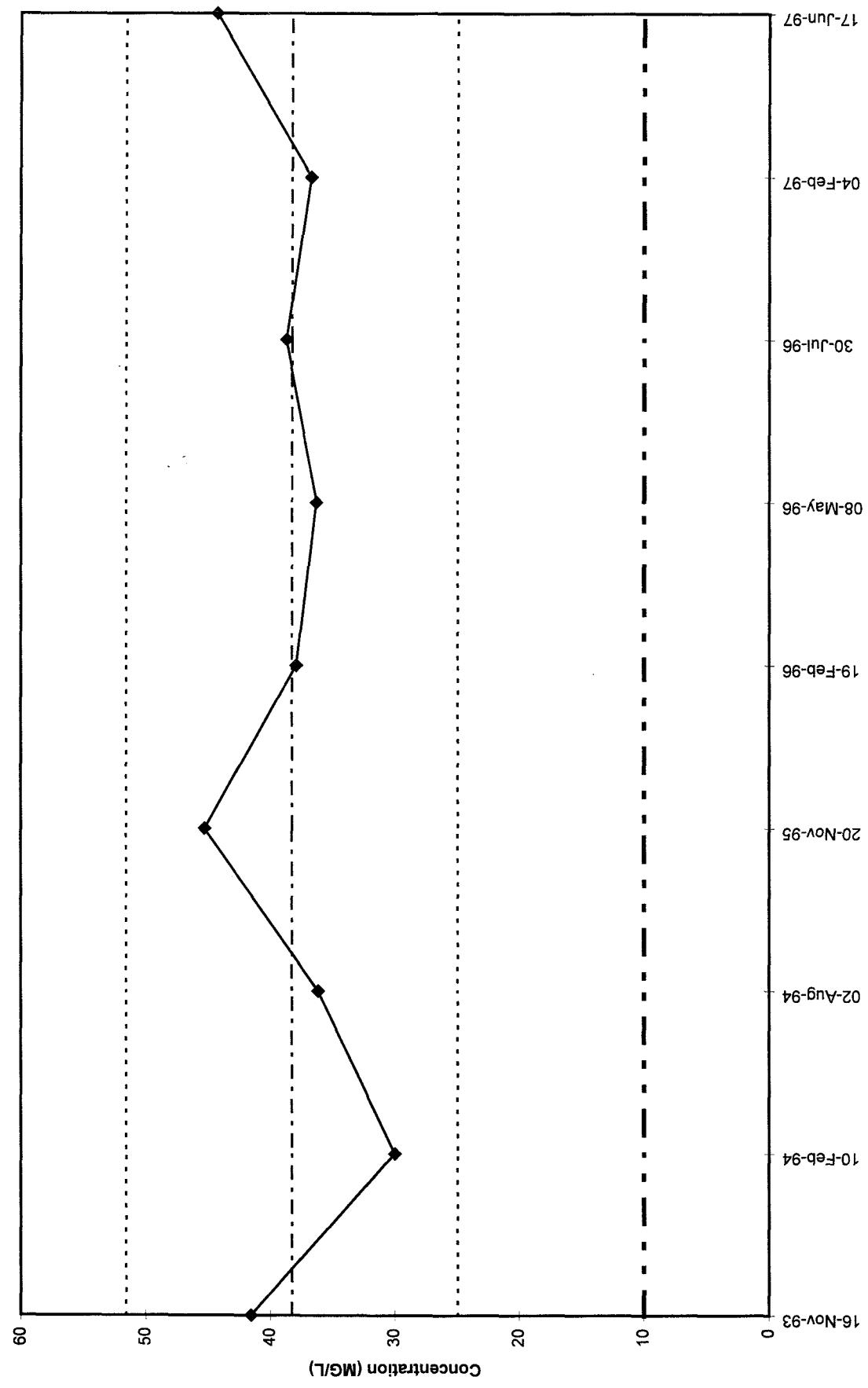


Figure 2-M

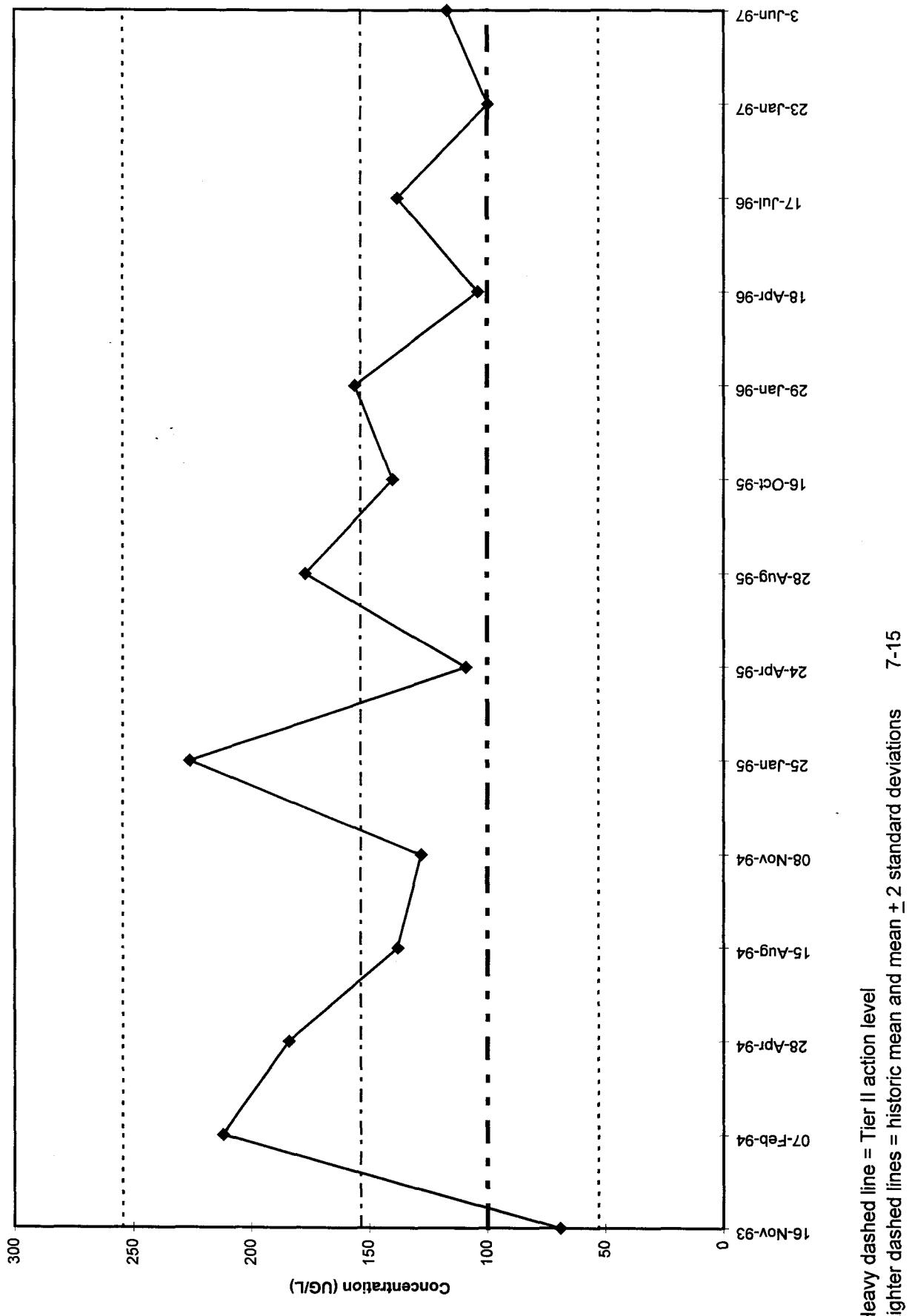
Nitrate/Nitrite Trend Plot for Well P219489



Heavy dashed line = Tier II action level
Lighter dashed lines = historic mean \pm 2 standard deviations

7-14

Figure 2-N
Nickel Trend Plot for Well P313589



Appendix A: Groundwater Analytical Data - Metals***Second Quarter 1997***

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
00491	GW05558TE	Aluminum	30.9		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Antimony	0.65	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Arsenic	0.43		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Barium	70.5		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Beryllium	0.3	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Cadmium	0.08		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Calcium	70000		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Chromium	1.4		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Cobalt	0.5	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Copper	1.8		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Iron	13.4	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Lead	0.32	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Magnesium	17800		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Manganese	1.6		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Mercury	0.1	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Nickel	1.6		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Potassium	1050		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Selenium	3		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Silver	0.41		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Sodium	59900		UG/L	1	PLUME DEFINITION
00491	GW05558TE	Thallium	0.3	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Vanadium	0.7	U	UG/L	1	PLUME DEFINITION
00491	GW05558TE	Zinc	7.5		UG/L	1	PLUME DEFINITION
03991	GW05521TE	ALUMINUM-DISS	8.8	U	UG/L	8.8	PLUME EXTENT
03991	GW05521TE	ANTIMONY-DISS	2.2	U	UG/L	2.2	PLUME EXTENT
03991	GW05521TE	ARSENIC-DISS	2	U	UG/L	2	PLUME EXTENT
03991	GW05521TE	BARIUM-DISS	190		UG/L	0.1	PLUME EXTENT
03991	GW05521TE	BERYLLIUM-DISS	0.2	U	UG/L	0.2	PLUME EXTENT
03991	GW05521TE	CADMIUM-DISS	0.2	U	UG/L	0.2	PLUME EXTENT
03991	GW05521TE	CALCIUM-DISS	107000		UG/L	3.3	PLUME EXTENT
03991	GW05521TE	CHROMIUM-DISS	0.4	U	UG/L	0.4	PLUME EXTENT
03991	GW05521TE	COBALT-DISS	0.71	B	UG/L	0.7	PLUME EXTENT
03991	GW05521TE	COPPER-DISS	0.4	U	UG/L	0.4	PLUME EXTENT
03991	GW05521TE	IRON-DISS	33.5	B	UG/L	9.2	PLUME EXTENT
03991	GW05521TE	LEAD-DISS	1.2	U	UG/L	1.2	PLUME EXTENT
03991	GW05521TE	LITHIUM-DISS	5.4	B	UG/L	1.9	PLUME EXTENT
03991	GW05521TE	MAGNESIUM-DISS	11900		UG/L	5.8	PLUME EXTENT
03991	GW05521TE	MANGANESE-DISS	0.08	U	UG/L	0.1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
03991	GW05521TE	MERCURY-DISS	0.03	U	UG/L	0.03	PLUME EXTENT
03991	GW05521TE	MOLYBDENUM-DISS	2.8	B	UG/L	2.7	PLUME EXTENT
03991	GW05521TE	NICKEL-DISS	0.6	U	UG/L	0.6	PLUME EXTENT
03991	GW05521TE	POTASSIUM-DISS	886	B	UG/L	30.6	PLUME EXTENT
03991	GW05521TE	SELENIUM-DISS	2.3	U	UG/L	2.3	PLUME EXTENT
03991	GW05521TE	SILVER-DISS	0.7	U	UG/L	0.7	PLUME EXTENT
03991	GW05521TE	SODIUM-DISS	13400		UG/L	4	PLUME EXTENT
03991	GW05521TE	STRONTIUM-DISS	417		UG/L	0.4	PLUME EXTENT
03991	GW05521TE	THALLIUM-DISS	4.4	B	UG/L	3.6	PLUME EXTENT
03991	GW05521TE	TIN-DISS	10.1	U	UG/L	10.1	PLUME EXTENT
03991	GW05521TE	URANIUM-DISS	70.3	U	UG/L	70.3	PLUME EXTENT
03991	GW05521TE	VANADIUM-DISS	1.5	B	UG/L	0.6	PLUME EXTENT
03991	GW05521TE	ZINC-DISS	1.3	B	UG/L	0.6	PLUME EXTENT
10992	GW05495TE	Aluminum	28.6	U	UG/L		PERF MONITORING
10992	GW05495TE	Antimony	1.9	U	UG/L		PERF MONITORING
10992	GW05495TE	Arsenic	2.5	U	UG/L		PERF MONITORING
10992	GW05495TE	Barium	75.5		UG/L		PERF MONITORING
10992	GW05495TE	Beryllium	0.3	U	UG/L		PERF MONITORING
10992	GW05495TE	Cadmium	0.4	U	UG/L		PERF MONITORING
10992	GW05495TE	Calcium	94100		UG/L		PERF MONITORING
10992	GW05495TE	Chromium	0.7	U	UG/L		PERF MONITORING
10992	GW05495TE	Cobalt	0.7	U	UG/L		PERF MONITORING
10992	GW05495TE	Copper	0.5	U	UG/L		PERF MONITORING
10992	GW05495TE	Iron	16.1	U	UG/L		PERF MONITORING
10992	GW05495TE	Lead	1.5	U	UG/L		PERF MONITORING
10992	GW05495TE	Magnesium	31700		UG/L		PERF MONITORING
10992	GW05495TE	Manganese	0.6	U	UG/L		PERF MONITORING
10992	GW05495TE	Mercury	0.1	U	UG/L		PERF MONITORING
10992	GW05495TE	Nickel	1.2		UG/L		PERF MONITORING
10992	GW05495TE	Potassium	2660		UG/L		PERF MONITORING
10992	GW05495TE	Selenium	545		UG/L		PERF MONITORING
10992	GW05495TE	Silver	0.6	U	UG/L		PERF MONITORING
10992	GW05495TE	Sodium	92500		UG/L		PERF MONITORING
10992	GW05495TE	Thallium	2.1	U	UG/L		PERF MONITORING
10992	GW05495TE	Vanadium	0.8	U	UG/L		PERF MONITORING
10992	GW05495TE	Zinc	5.7		UG/L		PERF MONITORING
10994	GW05522TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME EXTENT
10994	GW05522TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10994	GW05522TE	ARSENIC	2	U	UG/L	2	PLUME EXTENT
10994	GW05522TE	BARIUM	99.8	B	UG/L	0.1	PLUME EXTENT
10994	GW05522TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME EXTENT
10994	GW05522TE	CADMIUM	0.2	U	UG/L	0.2	PLUME EXTENT
10994	GW05522TE	CALCIUM	126000		UG/L	3.3	PLUME EXTENT
10994	GW05522TE	CHROMIUM	2.8	B	UG/L	0.4	PLUME EXTENT
10994	GW05522TE	COBALT	0.7	U	UG/L	0.7	PLUME EXTENT
10994	GW05522TE	COPPER	0.4	U	UG/L	0.4	PLUME EXTENT
10994	GW05522TE	IRON	39	B	UG/L	9.2	PLUME EXTENT
10994	GW05522TE	LEAD	1.2	U	UG/L	1.2	PLUME EXTENT
10994	GW05522TE	LITHIUM	37.7	B	UG/L	1.9	PLUME EXTENT
10994	GW05522TE	MAGNESIUM	28600		UG/L	5.8	PLUME EXTENT
10994	GW05522TE	MANGANESE	1.2	B	UG/L	0.1	PLUME EXTENT
10994	GW05522TE	MERCURY	0.03	U	UG/L	0.03	PLUME EXTENT
10994	GW05522TE	MOLYBDENUM	9.9	B	UG/L	2.7	PLUME EXTENT
10994	GW05522TE	NICKEL	0.6	U	UG/L	0.6	PLUME EXTENT
10994	GW05522TE	POTASSIUM	2920	B	UG/L	30.6	PLUME EXTENT
10994	GW05522TE	SELENIUM	401		UG/L	2.3	PLUME EXTENT
10994	GW05522TE	SILVER	0.7	U	UG/L	0.7	PLUME EXTENT
10994	GW05522TE	SODIUM	61400		UG/L	4	PLUME EXTENT
10994	GW05522TE	STRONTIUM	834		UG/L	0.4	PLUME EXTENT
10994	GW05522TE	THALLIUM	3.6	B	UG/L	3.6	PLUME EXTENT
10994	GW05522TE	TIN	10.1	U	UG/L	10.1	PLUME EXTENT
10994	GW05522TE	URANIUM	124	B	UG/L	70.3	PLUME EXTENT
10994	GW05522TE	VANADIUM	0.63	B	UG/L	0.6	PLUME EXTENT
10994	GW05522TE	ZINC	3.8	B	UG/L	0.6	PLUME EXTENT
2186	GW05536TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME EXTENT
2186	GW05536TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME EXTENT
2186	GW05536TE	ARSENIC	2	U	UG/L	2	PLUME EXTENT
2186	GW05536TE	BARIUM	141		UG/L	0.1	PLUME EXTENT
2186	GW05536TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME EXTENT
2186	GW05536TE	CADMIUM	0.2	U	UG/L	0.2	PLUME EXTENT
2186	GW05536TE	CALCIUM	48100		UG/L	3.3	PLUME EXTENT
2186	GW05536TE	CHROMIUM	2.6	B	UG/L	0.4	PLUME EXTENT
2186	GW05536TE	COBALT	0.7	U	UG/L	0.7	PLUME EXTENT
2186	GW05536TE	COPPER	4	B	UG/L	0.4	PLUME EXTENT
2186	GW05536TE	IRON	49.4	B	UG/L	9.2	PLUME EXTENT
2186	GW05536TE	LEAD	1.2	U	UG/L	1.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
2186	GW05536TE	LITHIUM	17.2	B	UG/L	1.9	PLUME EXTENT
2186	GW05536TE	MAGNESIUM	11500		UG/L	5.8	PLUME EXTENT
2186	GW05536TE	MANGANESE	36.5		UG/L	0.1	PLUME EXTENT
2186	GW05536TE	MERCURY	0.03	U	UG/L	0.03	PLUME EXTENT
2186	GW05536TE	MOLYBDENUM	5.3	B	UG/L	2.7	PLUME EXTENT
2186	GW05536TE	NICKEL	2.2	B	UG/L	0.6	PLUME EXTENT
2186	GW05536TE	POTASSIUM	1830	B	UG/L	30.6	PLUME EXTENT
2186	GW05536TE	SELENIUM	2.3	U	UG/L	2.3	PLUME EXTENT
2186	GW05536TE	SILVER	0.7	U	UG/L	0.7	PLUME EXTENT
2186	GW05536TE	SODIUM	29400		UG/L	4	PLUME EXTENT
2186	GW05536TE	STRONTIUM	364		UG/L	0.4	PLUME EXTENT
2186	GW05536TE	THALLIUM	3.6	U	UG/L	3.6	PLUME EXTENT
2186	GW05536TE	TIN	10.1	U	UG/L	10.1	PLUME EXTENT
2186	GW05536TE	URANIUM	70.3	U	UG/L	70.3	PLUME EXTENT
2186	GW05536TE	VANADIUM	0.6	U	UG/L	0.6	PLUME EXTENT
2186	GW05536TE	ZINC	12.6	B	UG/L	0.6	PLUME EXTENT
22596	GW05535TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME EXTENT
22596	GW05535TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME EXTENT
22596	GW05535TE	ARSENIC	2	U	UG/L	2	PLUME EXTENT
22596	GW05535TE	BARIUM	124		UG/L	0.1	PLUME EXTENT
22596	GW05535TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME EXTENT
22596	GW05535TE	CADMUM	0.2	U	UG/L	0.2	PLUME EXTENT
22596	GW05535TE	CALCIUM	49300		UG/L	3.3	PLUME EXTENT
22596	GW05535TE	CHROMIUM	2.4	B	UG/L	0.4	PLUME EXTENT
22596	GW05535TE	COBALT	1	B	UG/L	0.7	PLUME EXTENT
22596	GW05535TE	COPPER	0.86	B	UG/L	0.4	PLUME EXTENT
22596	GW05535TE	IRON	43.3	B	UG/L	9.2	PLUME EXTENT
22596	GW05535TE	LEAD	1.2	U	UG/L	1.2	PLUME EXTENT
22596	GW05535TE	LITHIUM	6.1	B	UG/L	1.9	PLUME EXTENT
22596	GW05535TE	MAGNESIUM	8600		UG/L	5.8	PLUME EXTENT
22596	GW05535TE	MANGANESE	92.3		UG/L	0.1	PLUME EXTENT
22596	GW05535TE	MERCURY	0.03	U	UG/L	0.03	PLUME EXTENT
22596	GW05535TE	MOLYBDENUM	2.7	U	UG/L	2.7	PLUME EXTENT
22596	GW05535TE	NICKEL	3.3	B	UG/L	0.6	PLUME EXTENT
22596	GW05535TE	POTASSIUM	632	B	UG/L	30.6	PLUME EXTENT
22596	GW05535TE	SELENIUM	2.3	U	UG/L	2.3	PLUME EXTENT
22596	GW05535TE	SILVER	0.7	U	UG/L	0.7	PLUME EXTENT
22596	GW05535TE	SODIUM	18300		UG/L	4	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22596	GW05535TE	STRONTIUM	225		UG/L	0.4	PLUME EXTENT
22596	GW05535TE	THALLIUM	3.6	U	UG/L	3.6	PLUME EXTENT
22596	GW05535TE	TIN	10.1	U	UG/L	10.1	PLUME EXTENT
22596	GW05535TE	URANIUM	70.3	U	UG/L	70.3	PLUME EXTENT
22596	GW05535TE	VANADIUM	0.6	U	UG/L	0.6	PLUME EXTENT
22596	GW05535TE	ZINC	4.5	B	UG/L	0.6	PLUME EXTENT
22696	GW05534TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME EXTENT
22696	GW05534TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME EXTENT
22696	GW05534TE	ARSENIC	2	U	UG/L	2	PLUME EXTENT
22696	GW05534TE	BARIUM	190		UG/L	0.1	PLUME EXTENT
22696	GW05534TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME EXTENT
22696	GW05534TE	CADMİUM	0.2	U	UG/L	0.2	PLUME EXTENT
22696	GW05534TE	CALCIUM	112000		UG/L	3.3	PLUME EXTENT
22696	GW05534TE	CHROMIUM	2.4	B	UG/L	0.4	PLUME EXTENT
22696	GW05534TE	COBALT	0.7	U	UG/L	0.7	PLUME EXTENT
22696	GW05534TE	COPPER	0.48	B	UG/L	0.4	PLUME EXTENT
22696	GW05534TE	IRON	41.9	B	UG/L	9.2	PLUME EXTENT
22696	GW05534TE	LEAD	1.2	U	UG/L	1.2	PLUME EXTENT
22696	GW05534TE	LITHIUM	10	B	UG/L	1.9	PLUME EXTENT
22696	GW05534TE	MAGNESIUM	22300		UG/L	5.8	PLUME EXTENT
22696	GW05534TE	MANGANESE	15.3		UG/L	0.1	PLUME EXTENT
22696	GW05534TE	MERCURY	0.03	U	UG/L	0.03	PLUME EXTENT
22696	GW05534TE	MOLYBDENUM	17.4	B	UG/L	2.7	PLUME EXTENT
22696	GW05534TE	NICKEL	0.88	B	UG/L	0.6	PLUME EXTENT
22696	GW05534TE	POTASSIUM	4630	B	UG/L	30.6	PLUME EXTENT
22696	GW05534TE	SELENIUM	2.3	U	UG/L	2.3	PLUME EXTENT
22696	GW05534TE	SILVER	0.7	U	UG/L	0.7	PLUME EXTENT
22696	GW05534TE	SODIUM	32100		UG/L	4	PLUME EXTENT
22696	GW05534TE	STRONTIUM	663		UG/L	0.4	PLUME EXTENT
22696	GW05534TE	THALLIUM	3.6	U	UG/L	3.6	PLUME EXTENT
22696	GW05534TE	TIN	10.1	U	UG/L	10.1	PLUME EXTENT
22696	GW05534TE	URANIUM	70.3	U	UG/L	70.3	PLUME EXTENT
22696	GW05534TE	VANADIUM	0.91	B	UG/L	0.6	PLUME EXTENT
22696	GW05534TE	ZINC	11.2	B	UG/L	0.6	PLUME EXTENT
2987	GW05504TE	Aluminum	43.6		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Antimony	0.65	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Arsenic	0.35	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Barium	71.3		UG/L	1	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - Metals***Second Quarter 1997***

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
2987	GW05504TE	Beryllium	0.3	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Cadmium	0.1		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Calcium	8000		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Chromium	2.6		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Cobalt	2.9		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Copper	8.7		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Lead	0.32	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Magnesium	89400		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Manganese	26.6		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Mercury	0.1	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Nickel	1080		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Potassium	2860		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Silver	0.28	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Sodium	62000		UG/L	1	PLUME DEFINITION
2987	GW05504TE	Thallium	0.3	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Vanadium	0.7	U	UG/L	1	PLUME DEFINITION
2987	GW05504TE	Zinc	13.3		UG/L	1	PLUME DEFINITION
43392	GW05531TE	Aluminum	28.6	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Antimony	1.9	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Arsenic	2.5	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Barium	178		UG/L	1	PLUME EXTENT
43392	GW05531TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Cadmium	0.4	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Calcium	65700		UG/L	1	PLUME EXTENT
43392	GW05531TE	Chromium	0.7	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Cobalt	0.7	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Copper	0.5	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Iron	16.1	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Lead	1.5	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Magnesium	8490		UG/L	1	PLUME EXTENT
43392	GW05531TE	Manganese	0.6	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Nickel	0.8	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Potassium	1020		UG/L	1	PLUME EXTENT
43392	GW05531TE	Selenium	2.2	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Silver	0.6	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	Sodium	20800		UG/L	1	PLUME EXTENT
43392	GW05531TE	Thallium	2.1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
43392	GW05531TE	VANADIUM	0.8	U	UG/L	1	PLUME EXTENT
43392	GW05531TE	ZINC	3.3		UG/L	1	PLUME EXTENT
52894	GW05541TE	ALUMINUM	8.8	U	UG/L	8.8	RCRA
52894	GW05541TE	ANTIMONY	2.2	U	UG/L	2.2	RCRA
52894	GW05541TE	ARSENIC	2	U	UG/L	2	RCRA
52894	GW05541TE	BARIUM	107		UG/L	0.1	RCRA
52894	GW05541TE	BERYLLIUM	0.2	U	UG/L	0.2	RCRA
52894	GW05541TE	CADMUM	0.82	B	UG/L	0.2	RCRA
52894	GW05541TE	CALCIUM	62800		UG/L	3.3	RCRA
52894	GW05541TE	CHROMIUM	2.3	B	UG/L	0.4	RCRA
52894	GW05541TE	COBALT	1.8	B	UG/L	0.7	RCRA
52894	GW05541TE	COPPER	2.6	B	UG/L	0.4	RCRA
52894	GW05541TE	IRON	57	B	UG/L	9.2	RCRA
52894	GW05541TE	LEAD	1.2	U	UG/L	1.2	RCRA
52894	GW05541TE	LITHIUM	148		UG/L	1.9	RCRA
52894	GW05541TE	MAGNESIUM	19100		UG/L	5.8	RCRA
52894	GW05541TE	MANGANESE	162		UG/L	0.1	RCRA
52894	GW05541TE	MERCURY	0.03	U	UG/L	0.03	RCRA
52894	GW05541TE	MOLYBDENUM	9.4	B	UG/L	2.7	RCRA
52894	GW05541TE	NICKEL	3	B	UG/L	0.6	RCRA
52894	GW05541TE	POTASSIUM	3100	B	UG/L	30.6	RCRA
52894	GW05541TE	SELENIUM	4.8	B	UG/L	2.3	RCRA
52894	GW05541TE	SILVER	0.7	U	UG/L	0.7	RCRA
52894	GW05541TE	SODIUM	188000		UG/L	40	RCRA
52894	GW05541TE	STRONTIUM	567		UG/L	0.4	RCRA
52894	GW05541TE	THALLIUM	3.8	B	UG/L	3.6	RCRA
52894	GW05541TE	TIN	10.1	U	UG/L	10.1	RCRA
52894	GW05541TE	URANIUM	70.3	U	UG/L	70.3	RCRA
52894	GW05541TE	VANADIUM	0.92	B	UG/L	0.6	RCRA
52894	GW05541TE	ZINC	9.6	B	UG/L	0.6	RCRA
6586	GW05500TE	ALUMINUM	8.8	U	UG/L	8.8	DRAINAGE
6586	GW05500TE	ANTIMONY	2.2	U	UG/L	2.2	DRAINAGE
6586	GW05500TE	ARSENIC	2	U	UG/L	2	DRAINAGE
6586	GW05500TE	BARIUM	98.4	B	UG/L	0.1	DRAINAGE
6586	GW05500TE	BERYLLIUM	0.2	U	UG/L	0.2	DRAINAGE
6586	GW05500TE	CADMUM	0.2	U	UG/L	0.2	DRAINAGE
6586	GW05500TE	CALCIUM	76000		UG/L	3.3	DRAINAGE
6586	GW05500TE	CHROMIUM	4	B	UG/L	0.4	DRAINAGE

Appendix A: Groundwater Analytical Data - Metals

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6586	GW05500TE	COBALT	0.91	B	UG/L	0.7	DRAINAGE
6586	GW05500TE	COPPER	0.83	B	UG/L	0.4	DRAINAGE
6586	GW05500TE	IRON	74.1	B	UG/L	9.2	DRAINAGE
6586	GW05500TE	LEAD	1.2	U	UG/L	1.2	DRAINAGE
6586	GW05500TE	LITHIUM	19.5	B	UG/L	1.9	DRAINAGE
6586	GW05500TE	MAGNESIUM	18000		UG/L	5.8	DRAINAGE
6586	GW05500TE	MANGANESE	8.4	B	UG/L	0.1	DRAINAGE
6586	GW05500TE	MERCURY	0.03	U	UG/L	0.03	DRAINAGE
6586	GW05500TE	MOLYBDENUM	5.4	B	UG/L	2.7	DRAINAGE
6586	GW05500TE	NICKEL	113		UG/L	0.6	DRAINAGE
6586	GW05500TE	POTASSIUM	1210	B	UG/L	30.6	DRAINAGE
6586	GW05500TE	SELENIUM	2.3	U	UG/L	2.3	DRAINAGE
6586	GW05500TE	SILVER	0.7	U	UG/L	0.7	DRAINAGE
6586	GW05500TE	SODIUM	39300		UG/L	4	DRAINAGE
6586	GW05500TE	STRONTIUM	537		UG/L	0.4	DRAINAGE
6586	GW05500TE	THALLIUM	3.6	U	UG/L	3.6	DRAINAGE
6586	GW05500TE	TIN	10.1	U	UG/L	10.1	DRAINAGE
6586	GW05500TE	URANIUM	70.3	U	UG/L	70.3	DRAINAGE
6586	GW05500TE	VANADIUM	0.67	B	UG/L	0.6	DRAINAGE
6586	GW05500TE	ZINC	3.7	B	UG/L	0.6	DRAINAGE
6687	GW05550TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME DEFINITION
6687	GW05550TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME DEFINITION
6687	GW05550TE	ARSENIC	2	U	UG/L	2	PLUME DEFINITION
6687	GW05550TE	BARIUM	11	B	UG/L	0.1	PLUME DEFINITION
6687	GW05550TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME DEFINITION
6687	GW05550TE	CADMUM	0.2	U	UG/L	0.2	PLUME DEFINITION
6687	GW05550TE	CALCIUM	179000		UG/L	3.3	PLUME DEFINITION
6687	GW05550TE	CHROMIUM	3.3	B	UG/L	0.4	PLUME DEFINITION
6687	GW05550TE	COBALT	0.7	U	UG/L	0.7	PLUME DEFINITION
6687	GW05550TE	COPPER	14.5	B	UG/L	0.4	PLUME DEFINITION
6687	GW05550TE	IRON	25.3	B	UG/L	9.2	PLUME DEFINITION
6687	GW05550TE	LEAD	1.2	U	UG/L	1.2	PLUME DEFINITION
6687	GW05550TE	LITHIUM	10.8	B	UG/L	1.9	PLUME DEFINITION
6687	GW05550TE	MAGNESIUM	40000		UG/L	5.8	PLUME DEFINITION
6687	GW05550TE	MANGANESE	1	B	UG/L	0.1	PLUME DEFINITION
6687	GW05550TE	MERCURY	0.03	U	UG/L	0.03	PLUME DEFINITION
6687	GW05550TE	MOLYBDENUM	4.9	B	UG/L	2.7	PLUME DEFINITION
6687	GW05550TE	NICKEL	11.4	B	UG/L	0.6	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6687	GW05550TE	POTASSIUM	2910	B	UG/L	30.6	PLUME DEFINITION
6687	GW05550TE	SELENIUM	2.3	U	UG/L	2.3	PLUME DEFINITION
6687	GW05550TE	SILVER	0.7	U	UG/L	0.7	PLUME DEFINITION
6687	GW05550TE	SODIUM	23200		UG/L	4	PLUME DEFINITION
6687	GW05550TE	STRONTIUM	822		UG/L	0.4	PLUME DEFINITION
6687	GW05550TE	THALLIUM	3.6	U	UG/L	3.6	PLUME DEFINITION
6687	GW05550TE	TIN	10.1	U	UG/L	10.1	PLUME DEFINITION
6687	GW05550TE	URANIUM	70.3	U	UG/L	70.3	PLUME DEFINITION
6687	GW05550TE	VANADIUM	0.6	U	UG/L	0.6	PLUME DEFINITION
6687	GW05550TE	ZINC	38.4		UG/L	0.6	PLUME DEFINITION
76992	GW05549TE	Aluminum	34.8		UG/L	1	PLUME EXTENT
76992	GW05549TE	Antimony	0.65	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Arsenic	0.65		UG/L	1	PLUME EXTENT
76992	GW05549TE	Barium	48.4		UG/L	1	PLUME EXTENT
76992	GW05549TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Cadmium	0.05		UG/L	1	PLUME EXTENT
76992	GW05549TE	Calcium	40900		UG/L	1	PLUME EXTENT
76992	GW05549TE	Chromium	1.1		UG/L	1	PLUME EXTENT
76992	GW05549TE	Cobalt	0.5	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Copper	0.8	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Iron	13.4	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Lead	1		UG/L	1	PLUME EXTENT
76992	GW05549TE	Magnesium	6550		UG/L	1	PLUME EXTENT
76992	GW05549TE	Manganese	0.58		UG/L	1	PLUME EXTENT
76992	GW05549TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Nickel	1.3		UG/L	1	PLUME EXTENT
76992	GW05549TE	Potassium	612		UG/L	1	PLUME EXTENT
76992	GW05549TE	Selenium	0.68		UG/L	1	PLUME EXTENT
76992	GW05549TE	Silver	0.28	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Sodium	35200		UG/L	1	PLUME EXTENT
76992	GW05549TE	Thallium	0.3	U	UG/L	1	PLUME EXTENT
76992	GW05549TE	Vanadium	1.4		UG/L	1	PLUME EXTENT
76992	GW05549TE	Zinc	3.4		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Aluminum	28.6	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Antimony	1.9	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Arsenic	2.5	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Barium	72.1		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
B208789	GW05556TE	Cadmium	0.4	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Calcium	149000		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Chromium	0.7	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Cobalt	0.7	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Copper	0.7		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Iron	16.1	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Lead	2		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Magnesium	38400		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Manganese	78.1		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Nickel	3.5		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Potassium	685		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Selenium	2.4		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Silver	0.6	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Sodium	119000		UG/L	1	PLUME EXTENT
B208789	GW05556TE	Thallium	2.1	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Vanadium	0.8	U	UG/L	1	PLUME EXTENT
B208789	GW05556TE	Zinc	5		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Aluminum	28.6	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Antimony	1.9	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Arsenic	2.5	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Barium	199		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Cadmium	0.41		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Calcium	146000		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Chromium	0.7	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Cobalt	0.7	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Copper	0.62		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Iron	16.1	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Lead	2.7		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Magnesium	35000		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Manganese	616		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Nickel	1.4		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Potassium	724		UG/L	1	PLUME EXTENT
P114389	GW05529TE	Selenium	2.2	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Silver	0.6	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Sodium	109000		UG/L	1	PLUME EXTENT

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Appendix A: Groundwater Analytical Data - Metals***Second Quarter 1997***

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P114389	GW05529TE	Thallium	2.1	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Vanadium	0.8	U	UG/L	1	PLUME EXTENT
P114389	GW05529TE	Zinc	8		UG/L	1	PLUME EXTENT
P218389	GW05552TE	ALUMINUM	8.8	U	UG/L	8.8	PLUME EXTENT
P218389	GW05552TE	ANTIMONY	2.2	U	UG/L	2.2	PLUME EXTENT
P218389	GW05552TE	ARSENIC	2	U	UG/L	2	PLUME EXTENT
P218389	GW05552TE	BARIUM	111		UG/L	0.1	PLUME EXTENT
P218389	GW05552TE	BERYLLIUM	0.2	U	UG/L	0.2	PLUME EXTENT
P218389	GW05552TE	CADMUM	0.27	B	UG/L	0.2	PLUME EXTENT
P218389	GW05552TE	CALCIUM	98700		UG/L	3.3	PLUME EXTENT
P218389	GW05552TE	CHROMIUM	2.4	B	UG/L	0.4	PLUME EXTENT
P218389	GW05552TE	COBALT	0.7	U	UG/L	0.7	PLUME EXTENT
P218389	GW05552TE	COPPER	0.44	B	UG/L	0.4	PLUME EXTENT
P218389	GW05552TE	IRON	45.9	B	UG/L	9.2	PLUME EXTENT
P218389	GW05552TE	LEAD	1.2	U	UG/L	1.2	PLUME EXTENT
P218389	GW05552TE	LITHIUM	6.1	B	UG/L	1.9	PLUME EXTENT
P218389	GW05552TE	MAGNESIUM	24200		UG/L	5.8	PLUME EXTENT
P218389	GW05552TE	MANGANESE	1.2	B	UG/L	0.1	PLUME EXTENT
P218389	GW05552TE	MERCURY	0.03	U	UG/L	0.03	PLUME EXTENT
P218389	GW05552TE	MOLYBDENUM	2.7	U	UG/L	2.7	PLUME EXTENT
P218389	GW05552TE	NICKEL	1.3	B	UG/L	0.6	PLUME EXTENT
P218389	GW05552TE	POTASSIUM	280	B	UG/L	30.6	PLUME EXTENT
P218389	GW05552TE	SELENIUM	4.1	B	UG/L	2.3	PLUME EXTENT
P218389	GW05552TE	SILVER	0.7	U	UG/L	0.7	PLUME EXTENT
P218389	GW05552TE	SODIUM	52100		UG/L	4	PLUME EXTENT
P218389	GW05552TE	STRONTIUM	553		UG/L	0.4	PLUME EXTENT
P218389	GW05552TE	THALLIUM	3.6	U	UG/L	3.6	PLUME EXTENT
P218389	GW05552TE	TIN	10.1	U	UG/L	10.1	PLUME EXTENT
P218389	GW05552TE	URANIUM	70.3	U	UG/L	70.3	PLUME EXTENT
P218389	GW05552TE	VANADIUM	0.6	U	UG/L	0.6	PLUME EXTENT
P218389	GW05552TE	ZINC	6.8	B	UG/L	0.6	PLUME EXTENT
P313589	GW05528TE	Aluminum	28.6	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Antimony	1.9	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Arsenic	2.5	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Barium	228		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Cadmium	0.4	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Calcium	151000		UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P313589	GW05528TE	Chromium	0.7	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Cobalt	0.7	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Copper	0.5	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Iron	16.1	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Lead	1.5	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Magnesium	33400		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Manganese	56.6		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Nickel	117		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Potassium	1010		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Selenium	2.2	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Silver	0.6	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Sodium	42000		UG/L	1	PLUME EXTENT
P313589	GW05528TE	Thallium	2.1	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Vanadium	0.8	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	Zinc	2.7		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Aluminum	28.6	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Antimony	1.9	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Arsenic	2.5	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Barium	108		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Beryllium	0.3	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Cadmium	3.8		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Calcium	87400		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Chromium	1.8		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Cobalt	0.7	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Copper	0.5	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Iron	16.1	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Lead	1.5	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Magnesium	13900		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Manganese	0.6	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Mercury	0.1	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Nickel	28.4		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Potassium	1650		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Selenium	2.2	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Silver	0.6	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Sodium	36600		UG/L	1	PLUME EXTENT
P416689	GW05526TE	Thallium	2.1	U	UG/L	1	PLUME EXTENT
P416689	GW05526TE	Vanadium	0.8	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - Metals

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P416689	GW05526TE	Zinc	3.1		UG/L	1	PLUME EXTENT
P416789	GW05525TE	Aluminum	28.6	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Antimony	1.9	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Arsenic	2.5	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Barium	192		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Beryllium	0.3	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Cadmium	0.43		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Calcium	102000		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Chromium	0.7	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Cobalt	0.7	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Copper	0.5	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Iron	16.1	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Lead	2.3		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Magnesium	13500		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Manganese	0.6	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Mercury	0.1	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Nickel	0.95		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Potassium	1170		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Selenium	2.2	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Silver	0.6	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Sodium	14600		UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Thallium	2.1	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Vanadium	0.8	U	UG/L	1	PLUME DEFINITION
P416789	GW05525TE	Zinc	4.3		UG/L	1	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - Radionuclides

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
00491	GW05558TE	AM-241	0.014	U	PCI/L	0.019	PLUME DEFINITION
00491	GW05558TE	PU-239	0.006	U	PCI/L	0.017	PLUME DEFINITION
00491	GW05558TE	U-234	5.15		PCI/L	0.03	PLUME DEFINITION
00491	GW05558TE	U-235	0.108	J	PCI/L	0.081	PLUME DEFINITION
00491	GW05558TE	U-238	3.96		PCI/L	0.066	PLUME DEFINITION
03991	GW05521TE	AM-241	-0.004	U	PCI/L	0.03	PLUME EXTENT
03991	GW05521TE	PU-239	0.002	U	PCI/L	0.006	PLUME EXTENT
03991	GW05521TE	U-234	1.39		PCI/L	0.041	PLUME EXTENT
03991	GW05521TE	U-235	0.075	J	PCI/L	0.051	PLUME EXTENT
03991	GW05521TE	U-238	0.919	J	PCI/L	0.041	PLUME EXTENT
10394	GW05509TE	AM-241	-0.003	U	PCI/L	0.026	BOUNDARY
10394	GW05509TE	PU-239	0.005	U	PCI/L	0.007	BOUNDARY
10394	GW05509TE	TRITIUM	110	U	PCI/L	260	BOUNDARY
10394	GW05509TE	U-234	2.2		PCI/L	0.102	BOUNDARY
10394	GW05509TE	U-235	0.138	J	PCI/L	0.046	BOUNDARY
10394	GW05509TE	U-238	1.42		PCI/L	0.083	BOUNDARY
10992	GW05495TE	U-234	6.69	B	PCI/L	0.027	PERF MONITORING
10992	GW05495TE	U-235	0.213	J	PCI/L	0.075	PERF MONITORING
10992	GW05495TE	U-238	4.95	B	PCI/L	0.027	PERF MONITORING
10994	GW05522TE	U-233/234	6.35		PCI/L	0.063	PLUME EXTENT
10994	GW05522TE	U-235	0.272	J	PCI/L	0.078	PLUME EXTENT
10994	GW05522TE	U-238	4.24		PCI/L	0.063	PLUME EXTENT
22996	GW05507TE	AM-241	0.017	U	PCI/L	0.023	D&D
22996	GW05507TE	PU-239	0.014	J	PCI/L	0.013	D&D
22996	GW05507TE	U-234	2.61	B	PCI/L	0.06	D&D
22996	GW05507TE	U-235	0.123	J	PCI/L	0.033	D&D
22996	GW05507TE	U-238	1.92	B	PCI/L	0.027	D&D
2987	GW05504TE	AM-241	0	U	PCI/L	0.02	PLUME DEFINITION
2987	GW05504TE	PU-239	0.005	U	PCI/L	0.014	PLUME DEFINITION
2987	GW05504TE	U-234	11.1		PCI/L	0.028	PLUME DEFINITION
2987	GW05504TE	U-235	0.36	J	PCI/L	0.035	PLUME DEFINITION
2987	GW05504TE	U-238	7.92		PCI/L	0.028	PLUME DEFINITION
3386	GW05554TE	TRITIUM	-44	U	PCI/L	260	PLUME EXTENT
52894	GW05541TE	TRITIUM	22	U	PCI/L	260	RCRA
5587	GW05488TE	U-234	7.55		PCI/L	0.03	DRAINAGE
5587	GW05488TE	U-235	0.408	J	PCI/L	0.082	DRAINAGE
5587	GW05488TE	U-238	6.22		PCI/L	0.03	DRAINAGE
6586	GW05500TE	AM-241	0.005	U	PCI/L	0.03	DRAINAGE

Appendix A: Groundwater Analytical Data - Radionuclides **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6586	GW05500TE	PU-239/240	0.009	U	PCI/L	0.025	DRAINAGE
6586	GW05500TE	U-233/234	2.41		PCI/L	0.072	DRAINAGE
6586	GW05500TE	U-235	0.148	J	PCI/L	0.04	DRAINAGE
6586	GW05500TE	U-238	2.13	B	PCI/L	0.032	DRAINAGE
6687	GW05550TE	TRITIUM	-3.1	U	PCI/L	270	PLUME DEFINITION
6687	GW05550TE	U-233/234	0.113	J	PCI/L	0.028	PLUME DEFINITION
6687	GW05550TE	U-235	0.051	J	PCI/L	0.034	PLUME DEFINITION
6687	GW05550TE	U-238	0.061	J	PCI/L	0.061	PLUME DEFINITION
76992	GW05549TE	TRITIUM	48	U	PCI/L	190	PLUME EXTENT
76992	GW05549TE	U-234	3.05		PCI/L	0.029	PLUME EXTENT
76992	GW05549TE	U-235	0.133	J	PCI/L	0.08	PLUME EXTENT
76992	GW05549TE	U-238	1.54		PCI/L	0.029	PLUME EXTENT
B208789	GW05556TE	AM-241	0.005	U	PCI/L	0.031	PLUME EXTENT
B208789	GW05556TE	PU-239	0.003	U	PCI/L	0.008	PLUME EXTENT
B208789	GW05556TE	TRITIUM	84	U	PCI/L	260	PLUME EXTENT
B208789	GW05556TE	U-234	8.06	B	PCI/L	0.029	PLUME EXTENT
B208789	GW05556TE	U-235	0.226	J	PCI/L	0.036	PLUME EXTENT
B208789	GW05556TE	U-238	6.89	B	PCI/L	0.029	PLUME EXTENT
P218389	GW05552TE	AM-241	0.013	U	PCI/L	0.025	PLUME EXTENT
P218389	GW05552TE	PU-239	0.071		PCI/L	0.007	PLUME EXTENT
P218389	GW05552TE	TRITIUM	120	U	PCI/L	260	PLUME EXTENT
P218389	GW05552TE	U-234	3.38		PCI/L	0.09	PLUME EXTENT
P218389	GW05552TE	U-235	0.227	J	PCI/L	0.091	PLUME EXTENT
P218389	GW05552TE	U-238	3.17		PCI/L	0.033	PLUME EXTENT
P219189	GW05512TE	TRITIUM	690		PCI/L	260	PLUME DEFINITION
P219489	GW05551TE	TRITIUM	290	J	PCI/L	260	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
00491	GW05558TE	1,1,1,2-Tetrachloroethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,1,1-Trichloroethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,1,2,2-Tetrachloroethane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	1,1,2-Trichloroethane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	1,1-Dichloroethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,1-Dichloroethene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,1-Dichloropropene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,2,3-Trichlorobenzene	5	U	ug/L	3	PLUME DEFINITION
00491	GW05558TE	1,2,3-Trichloropropane	5	U	ug/L	4	PLUME DEFINITION
00491	GW05558TE	1,2,4-Trichlorobenzene	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	1,2,4-Trimethylbenzene	5	U	ug/L	0.6	PLUME DEFINITION
00491	GW05558TE	1,2-Dichlorobenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,2-Dichloroethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	1,2-Dichloroethane-d4	94		%RE		PLUME DEFINITION
00491	GW05558TE	1,2-Dichloropropane	5	U	ug/L	0.8	PLUME DEFINITION
00491	GW05558TE	1,3,5-Trimethylbenzene	5	U	ug/L	0.8	PLUME DEFINITION
00491	GW05558TE	1,3-Dichlorobenzene	5	U	ug/L	0.5	PLUME DEFINITION
00491	GW05558TE	1,3-Dichloropropane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	1,4-Dichlorobenzene	5	U	ug/L	0.8	PLUME DEFINITION
00491	GW05558TE	1-Methylethylbenzene (Cumene)	5	U	ug/L	0.6	PLUME DEFINITION
00491	GW05558TE	2,2-Dichloropropane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	2-Chlorotoluene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	4-Bromofluorobenzene	95		%RE		PLUME DEFINITION
00491	GW05558TE	4-Chlorotoluene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Benzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Bromobenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Bromochloromethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Bromodichloromethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Bromoform	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Bromomethane	5	U	ug/L	0.9	PLUME DEFINITION
00491	GW05558TE	Carbon tetrachloride	120		ug/L	1	PLUME DEFINITION
00491	GW05558TE	Chlorobenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Chloroethane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	Chloroform	56		ug/L	0.6	PLUME DEFINITION
00491	GW05558TE	Chloromethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	cis-1,2-Dichloroethene	12		ug/L	1	PLUME DEFINITION
00491	GW05558TE	cis-1,3-Dichloropropene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	DBCP (1,2-Dibromo-3-chloropropene)	5	U	ug/L	4	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
00491	GW05558TE	Dibromochloromethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Dibromomethane	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Dichlorodifluoromethane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	EDB (1,2-Dibromoethane)	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Ethylbenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Hexachlorobutadiene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Methylene chloride	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	n-Butylbenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	n-Propylbenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Naphthalene	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	p-Isopropyltoluene (p-Cymene	5	U	ug/L	0.8	PLUME DEFINITION
00491	GW05558TE	sec-Butylbenzene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Styrene	5	U	ug/L	0.5	PLUME DEFINITION
00491	GW05558TE	tert-Butylbenzene	5	U	ug/L	0.6	PLUME DEFINITION
00491	GW05558TE	Tetrachloroethene	18		ug/L	0.6	PLUME DEFINITION
00491	GW05558TE	Toluene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	Toluene-d8	98		%RE		PLUME DEFINITION
00491	GW05558TE	trans-1,2-Dichloroethene	5	U	ug/L	1	PLUME DEFINITION
00491	GW05558TE	trans-1,3-Dichloropropene	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	Trichloroethene	45		ug/L	1	PLUME DEFINITION
00491	GW05558TE	Trichlorofluoromethane	5	U	ug/L	2	PLUME DEFINITION
00491	GW05558TE	Vinyl chloride	5	U	ug/L	0.9	PLUME DEFINITION
00491	GW05558TE	Xylenes (total)	5	U	ug/L	3	PLUME DEFINITION
03991	GW05521TE	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,1-DICLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2-DICHLOROBENZENE-D4	99	J	%RE		PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
03991	GW05521TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	4-BROMOFLUOROBENZENE	101		%RE		PLUME EXTENT
03991	GW05521TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	CARBON TETRACHLORIDE	9		UG/L	1	PLUME EXTENT
03991	GW05521TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	CHLOROFORM	1	J	UG/L	1	PLUME EXTENT
03991	GW05521TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	METHYLENE CHLORIDE	2	B	UG/L	1	PLUME EXTENT
03991	GW05521TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	P-ISOPROPYLtoluene	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	STYRENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
03991	GW05521TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	TETRACHLOROETHENE	2		UG/L	1	PLUME EXTENT
03991	GW05521TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	TRANS-1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	TRANS-1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	TRICHLOROETHENE	1	J	UG/L	1	PLUME EXTENT
03991	GW05521TE	TRICHLOROFLUOROMETHANE	1	U	UG/L	1	PLUME EXTENT
03991	GW05521TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
10394	GW05509TE	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1-DICHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1-DICHLOROETHENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2-DIBROMO-3-CHLOROPRANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2-DIBROMOETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2-DICHLOROBENZENE-D4	97	J	%RE		BOUNDARY
10394	GW05509TE	1,2-DICHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	2-CHLORTOLUENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	4-BROMOFLUOROBENZENE	100		%RE		BOUNDARY
10394	GW05509TE	4-CHLORTOLUENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	BENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	BROMOBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	BROMOCHLOROMETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	BROMODICHLOROMETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	BROMOFORM	1	U	UG/L	1	BOUNDARY

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10394	GW05509TE	BROMOMETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CARBON TETRACHLORIDE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CHLOROBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CHLOROETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CHLOROFORM	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CHLOROMETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	DIBROMOMETHANE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	ETHYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	ISOPROPYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	M+P-XYLENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	METHYLENE CHLORIDE	1	B	UG/L	1	BOUNDARY
10394	GW05509TE	N-BUTYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	N-PROPYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	NAPHTHALENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	O-XYLENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	P-ISOPROPYLTOLUENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	SEC-BUTYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	STYRENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TERT-BUTYLBENZENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TETRACHLOROETHENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TOLUENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TRICHLOROETHENE	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	TRICHLOROFUOROMETHA	1	U	UG/L	1	BOUNDARY
10394	GW05509TE	VINYL CHLORIDE	1	U	UG/L	1	BOUNDARY
10592	GW05498TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PERF MONITORING
10592	GW05498TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PERF MONITORING
10592	GW05498TE	1,1-Dichloroethane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,1-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,1-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10592	GW05498TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PERF MONITORING
10592	GW05498TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PERF MONITORING
10592	GW05498TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,2-Dichloroethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	1,2-Dichloroethane-d4	78		%RE		PERF MONITORING
10592	GW05498TE	1,2-Dichloropropane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	1,3-Dichloropropane	1	U	ug/L	0.5	PERF MONITORING
10592	GW05498TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	2,2-Dichloropropane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	2-Chlorotoluene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	4-Bromofluorobenzene	98		%RE		PERF MONITORING
10592	GW05498TE	4-Chlorotoluene	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	Benzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Bromobenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Bromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	Bromodichloromethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	Bromoform	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Bromomethane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Carbon tetrachloride	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Chlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Chloroethane	1	U	ug/L	0.5	PERF MONITORING
10592	GW05498TE	Chloroform	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	Chloromethane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PERF MONITORING
10592	GW05498TE	Dibromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	Dibromomethane	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PERF MONITORING
10592	GW05498TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Ethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Hexachlorobutadiene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Methylene chloride	1	U	ug/L	0.3	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10592	GW05498TE	n-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	n-Propylbenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Naphthalene	1	U	ug/L	0.5	PERF MONITORING
10592	GW05498TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	sec-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Styrene	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	tert-Butylbenzene	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	Tetrachloroethene	1	U	ug/L	0.1	PERF MONITORING
10592	GW05498TE	Toluene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Toluene-d8	90		%RE		PERF MONITORING
10592	GW05498TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PERF MONITORING
10592	GW05498TE	Trichloroethene	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Trichlorofluoromethane	1	U	ug/L	0.4	PERF MONITORING
10592	GW05498TE	Vinyl chloride	1	U	ug/L	0.2	PERF MONITORING
10592	GW05498TE	Xylenes (total)	1	U	ug/L	0.6	PERF MONITORING
10792	GW05496TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PERF MONITORING
10792	GW05496TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PERF MONITORING
10792	GW05496TE	1,1-Dichloroethane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,1-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,1-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PERF MONITORING
10792	GW05496TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PERF MONITORING
10792	GW05496TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,2-Dichloroethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	1,2-Dichloroethane-d4	93		%RE		PERF MONITORING
10792	GW05496TE	1,2-Dichloropropane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	1,3-Dichloropropane	1	U	ug/L	0.5	PERF MONITORING
10792	GW05496TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	1-Methylethylbenzene (Cumene)	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	2,2-Dichloropropane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	2-Chlorotoluene	1	U	ug/L	0.2	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10792	GW05496TE	4-Bromofluorobenzene	92		%RE		PERF MONITORING
10792	GW05496TE	4-Chlorotoluene	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	Benzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Bromobenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Bromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	Bromodichloromethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	Bromoform	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Bromomethane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Carbon tetrachloride	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Chlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Chloroethane	1	U	ug/L	0.5	PERF MONITORING
10792	GW05496TE	Chloroform	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	Chloromethane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PERF MONITORING
10792	GW05496TE	Dibromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	Dibromomethane	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Ethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Hexachlorobutadiene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Methylene chloride	1	U	ug/L	0.3	PERF MONITORING
10792	GW05496TE	n-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	n-Propylbenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Naphthalene	1	U	ug/L	0.5	PERF MONITORING
10792	GW05496TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	sec-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Styrene	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	tert-Butylbenzene	1	U	ug/L	0.1	PERF MONITORING
10792	GW05496TE	Tetrachloroethene	0	J	ug/L	0.1	PERF MONITORING
10792	GW05496TE	Toluene	2		ug/L	0.2	PERF MONITORING
10792	GW05496TE	Toluene-d8	94		%RE		PERF MONITORING
10792	GW05496TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PERF MONITORING
10792	GW05496TE	Trichloroethene	1	U	ug/L	0.2	PERF MONITORING
10792	GW05496TE	Trichlorofluoromethane	1	U	ug/L	0.4	PERF MONITORING
10792	GW05496TE	Vinyl chloride	1	U	ug/L	0.2	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs***Second Quarter 1997***

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10792	GW05496TE	Xylenes (total)	1	U	ug/L	0.6	PERF MONITORING
10992	GW05495TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PERF MONITORING
10992	GW05495TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PERF MONITORING
10992	GW05495TE	1,1-Dichloroethane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,1-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,1-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PERF MONITORING
10992	GW05495TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PERF MONITORING
10992	GW05495TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,2-Dichloroethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	1,2-Dichloroethane-d4	94		%RE		PERF MONITORING
10992	GW05495TE	1,2-Dichloropropane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	1,3-Dichloropropane	1	U	ug/L	0.5	PERF MONITORING
10992	GW05495TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	2,2-Dichloropropane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	2-Chlorotoluene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	4-Bromofluorobenzene	89		%RE		PERF MONITORING
10992	GW05495TE	4-Chlorotoluene	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	Benzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Bromobenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Bromoform	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	Bromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	Bromodichloromethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	Bromoform	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Bromomethane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Carbon tetrachloride	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Chlorobenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Chloroethane	1	U	ug/L	0.5	PERF MONITORING
10992	GW05495TE	Chloroform	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	Chloromethane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10992	GW05495TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PERF MONITORING
10992	GW05495TE	Dibromochloromethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	Dibromomethane	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Ethylbenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Hexachlorobutadiene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Methylene chloride	1	U	ug/L	0.3	PERF MONITORING
10992	GW05495TE	n-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	n-Propylbenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Naphthalene	1	U	ug/L	0.5	PERF MONITORING
10992	GW05495TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	sec-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Styrene	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	tert-Butylbenzene	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	Tetrachloroethene	1	U	ug/L	0.1	PERF MONITORING
10992	GW05495TE	Toluene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Toluene-d8	93		%RE		PERF MONITORING
10992	GW05495TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PERF MONITORING
10992	GW05495TE	Trichloroethene	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Trichlorofluoromethane	1	U	ug/L	0.4	PERF MONITORING
10992	GW05495TE	Vinyl chloride	1	U	ug/L	0.2	PERF MONITORING
10992	GW05495TE	Xylenes (total)	1	U	ug/L	0.6	PERF MONITORING
10994	GW05522TE	1,1,1,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1,2,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10994	GW05522TE	1,2-DICHLOROBENZENE-D4	82	J	%RE		PLUME EXTENT
10994	GW05522TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	4-BROMOFLUOROBENZENE	88	J	%RE		PLUME EXTENT
10994	GW05522TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CARBON TETRACHLORIDE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CHLOROFORM	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	METHYLENE CHLORIDE	0	J,B	UG/L	1	PLUME EXTENT
10994	GW05522TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	P-ISOPROPYLtoluene	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT

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Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
10994	GW05522TE	STYRENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TETRACHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TRICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	TRICHLOROFLUOROMETHA	1	U	UG/L	1	PLUME EXTENT
10994	GW05522TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
11092	GW05494TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PERF MONITORING
11092	GW05494TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PERF MONITORING
11092	GW05494TE	1,1-Dichloroethane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,1-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,1-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PERF MONITORING
11092	GW05494TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PERF MONITORING
11092	GW05494TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,2-Dichloroethane	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	1,2-Dichloroethane-d4	98		%RE		PERF MONITORING
11092	GW05494TE	1,2-Dichloropropane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	1,3-Dichloropropane	1	U	ug/L	0.5	PERF MONITORING
11092	GW05494TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	1-Methylethylbenzene (Cume	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	2,2-Dichloropropane	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	2-Chlorotoluene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	4-Bromofluorobenzene	88		%RE		PERF MONITORING
11092	GW05494TE	4-Chlorotoluene	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	Benzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Bromobenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Bromoform	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	Bromoform	1	U	ug/L	0.2	PERF MONITORING

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
11092	GW05494TE	Bromomethane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Carbon tetrachloride	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Chlorobenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Chloroethane	1	U	ug/L	0.5	PERF MONITORING
11092	GW05494TE	Chloroform	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	Chloromethane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PERF MONITORING
11092	GW05494TE	Dibromochloromethane	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	Dibromomethane	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Ethylbenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Hexachlorobutadiene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Methylene chloride	1	U	ug/L	0.3	PERF MONITORING
11092	GW05494TE	n-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	n-Propylbenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Naphthalene	1	U	ug/L	0.5	PERF MONITORING
11092	GW05494TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	sec-Butylbenzene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Styrene	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	tert-Butylbenzene	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	Tetrachloroethene	1	U	ug/L	0.1	PERF MONITORING
11092	GW05494TE	Toluene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Toluene-d8	102		%RE		PERF MONITORING
11092	GW05494TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PERF MONITORING
11092	GW05494TE	Trichloroethene	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Trichlorofluoromethane	1	U	ug/L	0.4	PERF MONITORING
11092	GW05494TE	Vinyl chloride	1	U	ug/L	0.2	PERF MONITORING
11092	GW05494TE	Xylenes (total)	1	U	ug/L	0.6	PERF MONITORING
2186	GW05589TE	1,1,1,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,1,2,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
2186	GW05589TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2-DICHLOROBENZENE-D4	94	J	%RE		PLUME EXTENT
2186	GW05589TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	4-BROMOFLUOROBENZENE	94	J	%RE		PLUME EXTENT
2186	GW05589TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CARBON TETRACHLORIDE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CHLOROFORM	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
2186	GW05589TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	METHYLENE CHLORIDE	0	J,B	UG/L	1	PLUME EXTENT
2186	GW05589TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	P-ISOPROPYLtolUENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	STYRENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TETRACHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TRICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	TRICHLOROFUOROMETHA	1	U	UG/L	1	PLUME EXTENT
2186	GW05589TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1,1,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1,2,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2-DICHLOROBENZENE-D4	94	J	%RE		PLUME EXTENT
22596	GW05590TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22596	GW05590TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	4-BROMOFLUOROBENZENE	96	J	%RE		PLUME EXTENT
22596	GW05590TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CARBON TETRACHLORIDE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CHLOROFORM	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	METHYLENE CHLORIDE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	P-ISOPROPYLtoluene	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	STYRENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TETRACHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	TRICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22596	GW05590TE	TRICHLOROFLUOROMETHANE	1	U	UG/L	1	PLUME EXTENT
22596	GW05590TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2-DICHLOROBENZENE-D4	101		%RE		PLUME EXTENT
22696	GW05585TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	4-BROMOFLUOROBENZENE	98	J	%RE		PLUME EXTENT
22696	GW05585TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	CARBON TETRACHLORIDE	1	J	UG/L	1	PLUME EXTENT
22696	GW05585TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	CHLOROFORM	1	J,B	UG/L	1	PLUME EXTENT
22696	GW05585TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22696	GW05585TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	METHYLENE CHLORIDE	1	J,B	UG/L	1	PLUME EXTENT
22696	GW05585TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	P-ISOPROPYLtolUENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	STYRENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TETRACHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TRICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	TRICHLOROFUOROMETHA	1	U	UG/L	1	PLUME EXTENT
22696	GW05585TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
22996	GW05507TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	D&D
22996	GW05507TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	D&D
22996	GW05507TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	D&D
22996	GW05507TE	1,1-Dichloroethane	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,1-Dichloroethene	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,1-Dichloropropene	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	D&D
22996	GW05507TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	D&D
22996	GW05507TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	D&D
22996	GW05507TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	D&D
22996	GW05507TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,2-Dichloroethane	1	U	ug/L	0.3	D&D

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22996	GW05507TE	1,2-Dichloroethane-d4	95		%RE		D&D
22996	GW05507TE	1,2-Dichloropropane	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	D&D
22996	GW05507TE	1,3-Dichloropropane	1	U	ug/L	0.5	D&D
22996	GW05507TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	D&D
22996	GW05507TE	2,2-Dichloropropane	1	U	ug/L	0.3	D&D
22996	GW05507TE	2-Chlorotoluene	1	U	ug/L	0.2	D&D
22996	GW05507TE	4-Bromofluorobenzene	103		%RE		D&D
22996	GW05507TE	4-Chlorotoluene	1	U	ug/L	0.3	D&D
22996	GW05507TE	Benzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Bromobenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Bromochloromethane	1	U	ug/L	0.3	D&D
22996	GW05507TE	Bromodichloromethane	1	U	ug/L	0.3	D&D
22996	GW05507TE	Bromoform	1	U	ug/L	0.2	D&D
22996	GW05507TE	Bromomethane	1	U	ug/L	0.2	D&D
22996	GW05507TE	Carbon tetrachloride	1	U	ug/L	0.2	D&D
22996	GW05507TE	Chlorobenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Chloroethane	1	U	ug/L	0.5	D&D
22996	GW05507TE	Chloroform	1	U	ug/L	0.1	D&D
22996	GW05507TE	Chloromethane	1	U	ug/L	0.2	D&D
22996	GW05507TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	D&D
22996	GW05507TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	D&D
22996	GW05507TE	DBCP (1,2-Dibromo-3-chlorop)	1	U	ug/L	0.7	D&D
22996	GW05507TE	Dibromochloromethane	1	U	ug/L	0.3	D&D
22996	GW05507TE	Dibromomethane	1	U	ug/L	0.2	D&D
22996	GW05507TE	Dichlorodifluoromethane	1	U	ug/L	0.3	D&D
22996	GW05507TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	D&D
22996	GW05507TE	Ethylbenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Hexachlorobutadiene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Methylene chloride	1	U	ug/L	0.3	D&D
22996	GW05507TE	n-Butylbenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	n-Propylbenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Naphthalene	1	U	ug/L	0.5	D&D
22996	GW05507TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	D&D
22996	GW05507TE	sec-Butylbenzene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Styrene	1	U	ug/L	0.1	D&D

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
22996	GW05507TE	tert-Butylbenzene	1	U	ug/L	0.1	D&D
22996	GW05507TE	Tetrachloroethene	1	U	ug/L	0.1	D&D
22996	GW05507TE	Toluene	1	U	ug/L	0.2	D&D
22996	GW05507TE	Toluene-d8	99		%RE		D&D
22996	GW05507TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	D&D
22996	GW05507TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	D&D
22996	GW05507TE	Trichloroethene	0	J	ug/L	0.2	D&D
22996	GW05507TE	Trichlorofluoromethane	1	U	ug/L	0.4	D&D
22996	GW05507TE	Vinyl chloride	1	U	ug/L	0.2	D&D
22996	GW05507TE	Xylenes (total)	1	U	ug/L	0.6	D&D
2987	GW05504TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME DEFINITION
2987	GW05504TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME DEFINITION
2987	GW05504TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME DEFINITION
2987	GW05504TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME DEFINITION
2987	GW05504TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	1,2-Dichloroethane-d4	93		%RE		PLUME DEFINITION
2987	GW05504TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME DEFINITION
2987	GW05504TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	4-Bromofluorobenzene	97		%RE		PLUME DEFINITION
2987	GW05504TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	Benzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Bromobenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Bromochloromethane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs**Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
2987	GW05504TE	Bromoform	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Bromomethane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Chlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Chloroethane	1	U	ug/L	0.5	PLUME DEFINITION
2987	GW05504TE	Chloroform	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	Chloromethane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME DEFINITION
2987	GW05504TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	Dibromomethane	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Ethylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Methylene chloride	1	U	ug/L	0.3	PLUME DEFINITION
2987	GW05504TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Naphthalene	1	U	ug/L	0.5	PLUME DEFINITION
2987	GW05504TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Styrene	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	Tetrachloroethene	1	U	ug/L	0.1	PLUME DEFINITION
2987	GW05504TE	Toluene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Toluene-d8	97		%RE		PLUME DEFINITION
2987	GW05504TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME DEFINITION
2987	GW05504TE	Trichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME DEFINITION
2987	GW05504TE	Vinyl chloride	1	U	ug/L	0.2	PLUME DEFINITION
2987	GW05504TE	Xylenes (total)	1	U	ug/L	0.6	PLUME DEFINITION
43392	GW05531TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
43392	GW05531TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT
43392	GW05531TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
43392	GW05531TE	1,1-Dichloroethene	0	J	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
43392	GW05531TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
43392	GW05531TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	1,2-Dichloroethane-d4	97		%RE		PLUME EXTENT
43392	GW05531TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
43392	GW05531TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	4-Bromofluorobenzene	93		%RE		PLUME EXTENT
43392	GW05531TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Bromoform	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	Bromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	Bromodichloromethane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
43392	GW05531TE	Chloroform	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME EXTENT
43392	GW05531TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
43392	GW05531TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
43392	GW05531TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Naphthalene	1	U	ug/L	0.5	PLUME EXTENT
43392	GW05531TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
43392	GW05531TE	Tetrachloroethene	1		ug/L	0.1	PLUME EXTENT
43392	GW05531TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Toluene-d8	98		%RE		PLUME EXTENT
43392	GW05531TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT
43392	GW05531TE	Trichloroethene	0	J	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
43392	GW05531TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
43392	GW05531TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
5587	GW05488TE	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1-DICHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1-DICHLOROETHENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2-DIBROMOETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2-DICHLOROBENZENE-D4	88	J	%RE		DRAINAGE
5587	GW05488TE	1,2-DICHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
5587	GW05488TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	2-CHLOROTOLUENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	4-BROMOFLUOROBENZENE	93	J	%RE		DRAINAGE
5587	GW05488TE	4-CHLOROTOLUENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BROMOBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BROMOCHLOROMETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BROMODICHLOROMETHAN	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BROMOFORM	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	BROMOMETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CARBON TETRACHLORIDE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CHLOROBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CHLOROETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CHLOROFORM	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CHLOROMETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	DIBROMOMETHANE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	ETHYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	ISOPROPYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	M+P-XYLENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	METHYLENE CHLORIDE	2	B	UG/L	1	DRAINAGE
5587	GW05488TE	N-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	N-PROPYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	NAPHTHALENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	O-XYLENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	P-ISOPROPYLtoluene	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	SEC-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	STYRENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TERT-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TETRACHLOROETHENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TOLUENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	DRAINAGE

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
5587	GW05488TE	TRICHLOROETHENE	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	TRICHLOROFLUOROMETHA	1	U	UG/L	1	DRAINAGE
5587	GW05488TE	VINYL CHLORIDE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1,1,2-TETRACHLOROETHA	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1,2,2-TETRACHLOROETHA	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1-DICHLOROETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1-DICHLOROETHENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2-DIBROMOETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2-DICHLOROBENZENE-D4	89	J	%RE		DRAINAGE
6586	GW05500TE	1,2-DICHLOROETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	2-CHLOROTOLUENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	4-BROMOFLUOROBENZENE	94	J	%RE		DRAINAGE
6586	GW05500TE	4-CHLOROTOLUENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BROMOBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BROMOCHLOROMETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BROMODICHLOROMETHAN	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BROMOFORM	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	BROMOMETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CARBON TETRACHLORIDE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CHLOROBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CHLOROETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CHLOROFORM	1	U	UG/L	1	DRAINAGE

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6586	GW05500TE	CHLOROMETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	DIBROMOMETHANE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	ETHYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	ISOPROPYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	M+P-XYLENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	METHYLENE CHLORIDE	1	J,B	UG/L	1	DRAINAGE
6586	GW05500TE	N-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	N-PROPYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	NAPHTHALENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	O-XYLENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	P-ISOPROPYLtoluene	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	SEC-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	STYRENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TERT-BUTYLBENZENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TETRACHLOROETHENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TOLUENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TRICHLOROETHENE	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	TRICHLOROFUOROMETHA	1	U	UG/L	1	DRAINAGE
6586	GW05500TE	VINYL CHLORIDE	1	U	UG/L	1	DRAINAGE
6687	GW05550TE	1,1,1,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1,1-TRICHLOROETHANE	12		UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1,2,2-TETRACHLOROETHA	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1-DICHLOROETHENE	4		UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2,4-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6687	GW05550TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2-DICHLOROBENZENE-D4	94	J	%RE		PLUME DEFINITION
6687	GW05550TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	4-BROMOFLUOROBENZENE	99	J	%RE		PLUME DEFINITION
6687	GW05550TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BROMOBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BROMOFORM	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	BROMOMETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CARBON TETRACHLORIDE	1	J	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CHLOROBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CHLOROETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CHLOROFORM	0	J,B	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CHLOROMETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	ETHYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	M+P-XYLENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	METHYLENE CHLORIDE	1	J,B	UG/L	1	PLUME DEFINITION
6687	GW05550TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	NAPHTHALENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	O-XYLENE	1	U	UG/L	1	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
6687	GW05550TE	P-ISOPROPYLtoluene	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	STYRENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TETRACHLOROETHENE	1	J	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TOLUENE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	TRICHLOROETHENE	4		UG/L	1	PLUME DEFINITION
6687	GW05550TE	TRICHLOROFLUOROMETHA	1	U	UG/L	1	PLUME DEFINITION
6687	GW05550TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME DEFINITION
76992	GW05549TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
76992	GW05549TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT
76992	GW05549TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
76992	GW05549TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
76992	GW05549TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	1,2-Dichloroethane-d4	89		%RE		PLUME EXTENT
76992	GW05549TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
76992	GW05549TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	4-Bromofluorobenzene	100		%RE		PLUME EXTENT
76992	GW05549TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Bromochloromethane	1	U	ug/L	0.3	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
76992	GW05549TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
76992	GW05549TE	Chloroform	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME EXTENT
76992	GW05549TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
76992	GW05549TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Naphthalene	1	U	ug/L	0.5	PLUME EXTENT
76992	GW05549TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	Tetrachloroethene	1	U	ug/L	0.1	PLUME EXTENT
76992	GW05549TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Toluene-d8	102		%RE		PLUME EXTENT
76992	GW05549TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT
76992	GW05549TE	Trichloroethene	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
76992	GW05549TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
76992	GW05549TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
B208789	GW05556TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
B208789	GW05556TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
B208789	GW05556TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
B208789	GW05556TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
B208789	GW05556TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	1,2-Dichloroethane-d4	102		%RE		PLUME EXTENT
B208789	GW05556TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
B208789	GW05556TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	4-Bromofluorobenzene	98		%RE		PLUME EXTENT
B208789	GW05556TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Bromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
B208789	GW05556TE	Chloroform	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME EXTENT
B208789	GW05556TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
B208789	GW05556TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
B208789	GW05556TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Naphthalene	1	U	ug/L	0.5	PLUME EXTENT
B208789	GW05556TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	Tetrachloroethene	1	U	ug/L	0.1	PLUME EXTENT
B208789	GW05556TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Toluene-d8	102		%RE		PLUME EXTENT
B208789	GW05556TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT
B208789	GW05556TE	Trichloroethene	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
B208789	GW05556TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
B208789	GW05556TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
P114389	GW05529TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
P114389	GW05529TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT
P114389	GW05529TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
P114389	GW05529TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
P114389	GW05529TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	1,2-Dichloroethane-d4	93		%RE		PLUME EXTENT
P114389	GW05529TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
P114389	GW05529TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P114389	GW05529TE	1-Methylethylbenzene (Cume	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	4-Bromofluorobenzene	97		%RE		PLUME EXTENT
P114389	GW05529TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
P114389	GW05529TE	Chloroform	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	cis-1,2-Dichloroethene	1		ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME EXTENT
P114389	GW05529TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
P114389	GW05529TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Naphthalene	0	JB	ug/L	0.5	PLUME EXTENT
P114389	GW05529TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	Tetrachloroethene	1	U	ug/L	0.1	PLUME EXTENT
P114389	GW05529TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Toluene-d8	97		%RE		PLUME EXTENT
P114389	GW05529TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P114389	GW05529TE	Trichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
P114389	GW05529TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
P114389	GW05529TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
P218389	GW05583TE	1,1,1,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1,1-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1,2,2-TETRACHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1,2-TRICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,1-DICHLOROPROPENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2,3-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2,3-TRICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2,4-TRICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2-DIBROMO-3-CHLOROPR	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2-DIBROMOETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2-DICHLOROBENZENE-D4	102		%RE		PLUME EXTENT
P218389	GW05583TE	1,2-DICHLOROETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,3,5-TRIMETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,3-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,3-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	1,4-DICHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	2,2-DICHLOROPROPANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	2-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	4-BROMOFLUOROBENZENE	99	J	%RE		PLUME EXTENT
P218389	GW05583TE	4-CHLOROTOLUENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BROMOBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BROMOCHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BROMODICHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BROMOFORM	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	BROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CARBON TETRACHLORIDE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CHLOROBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CHLOROETHANE	1	U	UG/L	1	PLUME EXTENT

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P218389	GW05583TE	CHLOROFORM	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CHLOROMETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CIS-1,2-DICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	CIS-1,3-DICHLOROPROPEN	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	DIBROMOCHLOROMETHAN	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	DIBROMOMETHANE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	DICHLORODIFLUOROMETH	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	ETHYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	HEXACHLOROBUTADIENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	ISOPROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	M+P-XYLENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	METHYLENE CHLORIDE	1	J,B	UG/L	1	PLUME EXTENT
P218389	GW05583TE	N-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	N-PROPYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	NAPHTHALENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	O-XYLENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	P-ISOPROPYLtoluene	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	SEC-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	STYRENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TERT-BUTYLBENZENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TETRACHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TOLUENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TRANS-1,2-DICHLOROETHE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TRANS-1,3-DICHLOROPROP	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TRICHLOROETHENE	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	TRICHLOROFLUOROMETHA	1	U	UG/L	1	PLUME EXTENT
P218389	GW05583TE	VINYL CHLORIDE	1	U	UG/L	1	PLUME EXTENT
P313589	GW05528TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
P313589	GW05528TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT
P313589	GW05528TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
P313589	GW05528TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
P313589	GW05528TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT

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Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P313589	GW05528TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	1,2-Dichloroethane-d4	99		%RE		PLUME EXTENT
P313589	GW05528TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
P313589	GW05528TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	4-Bromofluorobenzene	102		%RE		PLUME EXTENT
P313589	GW05528TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Bromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
P313589	GW05528TE	Chloroform	6		ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	cis-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	DBCP (1,2-Dibromo-3-chlorop)	1	U	ug/L	0.7	PLUME EXTENT
P313589	GW05528TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
P313589	GW05528TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Naphthalene	1	U	ug/L	0.5	PLUME EXTENT
P313589	GW05528TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs **Second Quarter 1997**

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P313589	GW05528TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	Tetrachloroethene	1	U	ug/L	0.1	PLUME EXTENT
P313589	GW05528TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Toluene-d8	99		%RE		PLUME EXTENT
P313589	GW05528TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT
P313589	GW05528TE	Trichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
P313589	GW05528TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
P313589	GW05528TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
P416689	GW05526TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME EXTENT
P416689	GW05526TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME EXTENT
P416689	GW05526TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,1-Dichloroethene	0	J	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,2,3-Trichlorobenzene	1	U	ug/L	0.6	PLUME EXTENT
P416689	GW05526TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME EXTENT
P416689	GW05526TE	1,2,4-Trichlorobenzene	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	1,2-Dichloroethane-d4	98		%RE		PLUME EXTENT
P416689	GW05526TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME EXTENT
P416689	GW05526TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	4-Bromofluorobenzene	103		%RE		PLUME EXTENT
P416689	GW05526TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	Benzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Bromobenzene	1	U	ug/L	0.2	PLUME EXTENT

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P416689	GW05526TE	Bromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	Bromoform	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Bromomethane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Chlorobenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Chloroethane	1	U	ug/L	0.5	PLUME EXTENT
P416689	GW05526TE	Chloroform	0	J	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	Chloromethane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	cis-1,2-Dichloroethene	0	J	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME EXTENT
P416689	GW05526TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	Dibromomethane	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Ethylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Hexachlorobutadiene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Methylene chloride	1	U	ug/L	0.3	PLUME EXTENT
P416689	GW05526TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Naphthalene	1	U	ug/L	0.5	PLUME EXTENT
P416689	GW05526TE	p-Isopropyltoluene (p-Cymene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Styrene	1	U	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	Tetrachloroethene	2		ug/L	0.1	PLUME EXTENT
P416689	GW05526TE	Toluene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Toluene-d8	99		%RE		PLUME EXTENT
P416689	GW05526TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME EXTENT
P416689	GW05526TE	Trichloroethene	2		ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME EXTENT
P416689	GW05526TE	Vinyl chloride	1	U	ug/L	0.2	PLUME EXTENT
P416689	GW05526TE	Xylenes (total)	1	U	ug/L	0.6	PLUME EXTENT
P416789	GW05525TE	1,1,1,2-Tetrachloroethane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	1,1,1-Trichloroethane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,1,2,2-Tetrachloroethane	1	U	ug/L	0.4	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P416789	GW05525TE	1,1,2-Trichloroethane	1	U	ug/L	0.4	PLUME DEFINITION
P416789	GW05525TE	1,1-Dichloroethane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,1-Dichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,1-Dichloropropene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,2,3-Trichlorobenzene	0	JB	ug/L	0.6	PLUME DEFINITION
P416789	GW05525TE	1,2,3-Trichloropropane	1	U	ug/L	0.8	PLUME DEFINITION
P416789	GW05525TE	1,2,4-Trichlorobenzene	0	JB	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	1,2,4-Trimethylbenzene	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	1,2-Dichlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,2-Dichloroethane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	1,2-Dichloroethane-d4	79		%RE		PLUME DEFINITION
P416789	GW05525TE	1,2-Dichloropropane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,3,5-Trimethylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1,3-Dichlorobenzene	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	1,3-Dichloropropane	1	U	ug/L	0.5	PLUME DEFINITION
P416789	GW05525TE	1,4-Dichlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	1-Methylethylbenzene (Cume)	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	2,2-Dichloropropane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	2-Chlorotoluene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	4-Bromofluorobenzene	101		%RE		PLUME DEFINITION
P416789	GW05525TE	4-Chlorotoluene	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	Benzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Bromobenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Bromochloromethane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	Bromodichloromethane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	Bromoform	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Bromomethane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Carbon tetrachloride	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Chlorobenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Chloroethane	1	U	ug/L	0.5	PLUME DEFINITION
P416789	GW05525TE	Chloroform	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	Chloromethane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	cis-1,2-Dichloroethene	0	J	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	cis-1,3-Dichloropropene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	DBCP (1,2-Dibromo-3-chlorop	1	U	ug/L	0.7	PLUME DEFINITION
P416789	GW05525TE	Dibromochloromethane	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	Dibromomethane	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Dichlorodifluoromethane	1	U	ug/L	0.3	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - VOCs

Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
P416789	GW05525TE	EDB (1,2-Dibromoethane)	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Ethylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Hexachlorobutadiene	0	JB	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Methylene chloride	1	U	ug/L	0.3	PLUME DEFINITION
P416789	GW05525TE	n-Butylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	n-Propylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Naphthalene	1	JB	ug/L	0.5	PLUME DEFINITION
P416789	GW05525TE	p-Isopropyltoluene (p-Cymene)	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	sec-Butylbenzene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Styrene	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	tert-Butylbenzene	1	U	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	Tetrachloroethene	0	J	ug/L	0.1	PLUME DEFINITION
P416789	GW05525TE	Toluene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Toluene-d8	98		%RE		PLUME DEFINITION
P416789	GW05525TE	trans-1,2-Dichloroethene	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	trans-1,3-Dichloropropene	1	U	ug/L	0.4	PLUME DEFINITION
P416789	GW05525TE	Trichloroethene	2		ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Trichlorofluoromethane	1	U	ug/L	0.4	PLUME DEFINITION
P416789	GW05525TE	Vinyl chloride	1	U	ug/L	0.2	PLUME DEFINITION
P416789	GW05525TE	Xylenes (total)	1	U	ug/L	0.6	PLUME DEFINITION

Appendix A: Groundwater Analytical Data - Water Quality Parameters Second Quarter 1997

Location:	Sample number:	Analyte:	Result:	Qual:	Units:	Det. Lim.:	IMP WELL CLASS:
00491	GW05558TE	NITRATE/NITRITE	2.7		MG/L	0.05	PLUME DEFINITION
03991	GW05521TE	NITRATE/NITRITE	4.9		MG/L	0.2	PLUME EXTENT
10394	GW05509TE	FLUORIDE	0.53		MG/L	0.5	BOUNDARY
10394	GW05509TE	SULFATE	41.2		MG/L	5	BOUNDARY
10394	GW05509TE	TOTAL DISSOLVED SOLIDS	358		MG/L	10	BOUNDARY
10592	GW05498TE	NITRATE/NITRITE	8.3		MG/L	0.25	PERF MONITORING
10792	GW05496TE	NITRATE/NITRITE	3.6		MG/L	0.2	PERF MONITORING
10992	GW05495TE	FLUORIDE	2.7		MG/L	0.5	PERF MONITORING
10992	GW05495TE	NITRATE/NITRITE	23.2		MG/L	0.5	PERF MONITORING
10992	GW05495TE	SULFATE	133		MG/L	25	PERF MONITORING
10992	GW05495TE	TOTAL DISSOLVED SOLIDS	738		MG/L	10	PERF MONITORING
10994	GW05522TE	NITRATE/NITRITE	8.3		MG/L	0.25	PLUME EXTENT
10994	GW05522TE	SULFATE	221		MG/L	25	PLUME EXTENT
10994	GW05522TE	TOTAL DISSOLVED SOLIDS	678		MG/L	10	PLUME EXTENT
11092	GW05494TE	NITRATE/NITRITE	4.2		MG/L	0.1	PERF MONITORING
2987	GW05504TE	NITRATE/NITRITE	9		MG/L	0.25	PLUME DEFINITION
52894	GW05541TE	NITRATE/NITRITE	0.01	U	MG/L	0.05	RCRA
5587	GW05488TE	NITRATE/NITRITE	1.5		MG/L	0.05	DRAINAGE
6586	GW05500TE	NITRATE/NITRITE	0.01	U	MG/L	0.05	DRAINAGE
6687	GW05550TE	FLUORIDE	0.5	B	MG/L	1	PLUME DEFINITION
6687	GW05550TE	NITRATE/NITRITE	4.9		MG/L	0.1	PLUME DEFINITION
6687	GW05550TE	SULFATE	491		MG/L	50	PLUME DEFINITION
6687	GW05550TE	TOTAL DISSOLVED SOLIDS	793		MG/L	10	PLUME DEFINITION
76992	GW05549TE	FLUORIDE	0.82		MG/L	0.5	PLUME EXTENT
76992	GW05549TE	NITRATE/NITRITE	0.76		MG/L	0.05	PLUME EXTENT
76992	GW05549TE	SULFATE	56.1		MG/L	10	PLUME EXTENT
76992	GW05549TE	TOTAL DISSOLVED SOLIDS	246		MG/L	10	PLUME EXTENT
B208789	GW05556TE	FLUORIDE	1.2		MG/L	1	PLUME EXTENT
B208789	GW05556TE	NITRATE/NITRITE	0.72		MG/L	0.05	PLUME EXTENT
B208789	GW05556TE	SULFATE	224		MG/L	25	PLUME EXTENT
B208789	GW05556TE	TOTAL DISSOLVED SOLIDS	942		MG/L	10	PLUME EXTENT
P218389	GW05552TE	FLUORIDE	0.67		MG/L	0.5	PLUME EXTENT
P218389	GW05552TE	NITRATE/NITRITE	10.8		MG/L	0.5	PLUME EXTENT
P218389	GW05552TE	SULFATE	69.4		MG/L	10	PLUME EXTENT
P218389	GW05552TE	TOTAL DISSOLVED SOLIDS	512		MG/L	10	PLUME EXTENT
P219189	GW05512TE	NITRATE/NITRITE	0.59		MG/L	0.05	PLUME DEFINITION
P219489	GW05551TE	NITRATE/NITRITE	44.3		MG/L	1.2	PLUME EXTENT

97 | 97

Figure 1

Regulatory Required
Groundwater Monitoring Wells
Selected VOC & Nitrate Plumes
Second Quarter, 1997 Reportable
Exceedances

EXPLANATION

- IMP Wells Not Sampled This Quarter
- IMP Wells Sampled This Quarter
- IMP Wells With Reportable Tier II Exceedances
- Composite VOC Groundwater Plume (100 X MCL)
- Composite VOC Groundwater Plume (concentration equal to MCL)
- 100 x Nitrate Standard (1000 mg/l)
- Nitrate Standard (10 mg/l)

Standard Map Features

- Buildings and other structures
- Solar evaporation ponds
- Lakes and ponds
- Streams, ditches, or other drainage features
- Fences
- Rocky Flats boundary
- - - Paved roads
- Dirt roads

DATA SOURCES:
Buildings, fences, hydrography, roads and other structures from S1A4 series 1/250,000 scale map data captured by ER&G RSL, Las Vegas. Digitized from the orthophotographs, 1995.

Scale = 1 : 14950
1 inch represents approximately 1249 feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

Rocky Mountain
Remediation Services, L.L.C.
Geographic Information Systems Group
Rocky Flats Environmental Technology Site
Golden, CO 80402-0464

MAP ID: 98-0083

File Z:\Projects\98\98-0083\exceed_qtr1.mxd

November 20, 1997

